McGill University

Annual Calendar

FOR SESSION 1907-1908

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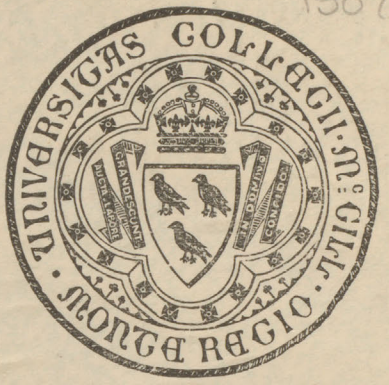
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ANNUAL CALENDAR

OF

McGILL COLLEGE

AND

UNIVERSITY

MONTREAL.

FOUNDED UNDER BEQUEST OF THE HON. JAMES McGILL,
ERECTED INTO A UNIVERSITY BY ROYAL CHARTER
IN 1821, AND RE-ORGANIZED BY AN
AMENDED CHARTER IN 1852.

SESSION 1907-1908

Montreal:

PRINTED FOR THE UNIVERSITY BY THE GAZETTE PRINTING COMPANY.

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The *List of Graduates*, corrected to July, 1906, is published separately. Copies can be obtained on application to the Registrar.

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T. WESLEY MILLS, M.A., M.D., F.R.S.C., Representative Fellow in Medicine
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WOLFRED NELSON, M.D., C.M., F.R.G.S., New York, non-resident Representative Fellow (United States).

To retire 1st September, 1909.

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J. G. ADAMI, M.A., M.D., LL.D., Governors' Fellow.
FRANCIS McLENNAN, B.A., B.C.L., Governors' Fellow.
E. B. PAUL, M.A., Representative Fellow, Victoria College, B.C.

To retire 1st September, 1910.

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H. J. SILVER, B.A., Representative Fellow in Arts.
R. F. RUTTAN, B.A., M.D., F.R.S.C., Elective Fellow, Faculty of Medicine.
C. H. GOULD, B.A., Governors' Fellow.
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F. A. L. LOCKHART, M.B. (Edin.).
Lecturer in Gynæcology. 38 Bishop Street.

A. E. GARROW, M.D.
Lecturer in Surgery and Clinical Surgery. 289 Mountain Street.

W. F. HAMILTON, M.D.
Lecturer in Clinical Medicine. 287 Mountain Street.

G. GORDON CAMPBELL, B.Sc., M.D.
Lecturer in Clinical Medicine, Diseases of Infants and Children, and Dermatology. 117 Metcalfe Street.

D. J. EVANS, M.D.
Lecturer in Obstetrics and Diseases of Children. 939 Dorchester Street.

J. ALEX. HUTCHISON, M.D.
Lecturer in Clinical Surgery. 70 Mackay Street.

W. W. CHIPMAN, B.A., M.D. (Edin.), F.R.C.S. (Edin.).
Lecturer in Gynaecology. 285 Mountain Street.

S. RIDLEY MACKENZIE, M.D.
Lecturer in Clinical Medicine. 219 Peel Street.

JOHN MCCRAE, M.B. (Toronto), M.R.C.P. (Lond.).
Lecturer in Pathology. 190 Peel Street.

D. A. SHIRRES, M.D. (Aberdeen).
Lecturer in Neuro-Pathology. 919 Dorchester Street.

D. D. MCTAGGART, M.D.
Lecturer in Medico-Legal Pathology and Demonstrator of Pathology. 705 Sherbrooke Street.

J. W. SCANE, M.D.
Lecturer in Pharmacology and Therapeutics. McGill College.

A. A. ROBERTSON, B.A., M.D.
Lecturer in Physiology. 136 Mansfield Street.

W. G. M. BYERS, M.D.
Lecturer in Ophthalmology. 346 Mountain Street.

J. R. ROEBUCK, B.A., Ph.D.
Lecturer in Chemistry. 995 St. Urbain Street.

A. ARTHMAN BRUERE, M.D. (Edin.).
Lecturer in Clinical Medicine. 713 Mance Street, Montreal Annex.

W. M. FISK, M.D.
Lecturer in Histology and Demonstrator in Diseases of Children. 53 Prince Arthur Street.

OSKAR KLOTZ, M.B. (Toronto), M.D.
Lecturer in Pathology. Royal Victoria Hospital.

CHARLES W. DUVAL, M.D.
Lecturer in Pathology. General Hospital, Montreal.

J. A. HENDERSON, M.D.
Lecturer in Anatomy. 34 Park Avenue.

H. B. YATES, B.A. (Cantab.), M.D.
Lecturer in Bacteriology. 257 Peel Street.

A. H. GORDON, M.D.
Lecturer in Physiology. 125 Hutchison Street.

KENNETH CAMERON, B.A., M.D.
Lecturer in Clinical Surgery. 903 Dorchester Street.

M. E. ABBOTT, B.A., M.D. (Bishop's).
Governors' Fellow in Pathology and Curator of Medical Museum. McGill College.

E. J. SEMPLE, B.A., M.D.
Demonstrator in Surgical Pathology. 375 St. Antoine Street.

J. J. Ross, B.A., M.D.
Demonstrator in Anatomy. 414 Bourgeois Street.

A. E. Orr, M.D.
Demonstrator in Anatomy. 900 Dorchester Street.

G. H. Mathewson, B.A., M.D.
Demonstrator in Ophthalmology. 56 Crescent Street.

H. D. Hamilton, M.A. (Bishop's), M.D., L.R.C.P. & S. (Edin.) L.F.P. & S. (Glasgow).
Demonstrator in Laryngology and Rhinology. 202 Peel Street.

James Barclay, M.D.
Demonstrator in Obstetrics. 27 Sherbrooke Street W.

F. B. Jones, M.D., D.P.H.
Demonstrator in Hygiene. 98 Sherbrooke Street W.

W. B. Howell, M.D.
Demonstrator in Physiology.

H. B. Cushing, B.A., M.D.
Demonstrator in Histology and Clinical Medicine. 231 Stanley Street.

W. A. Dorion, M.D.
Demonstrator in Histology. St. Catherine Street.

E. W. Archibald, B.A., M.D.
Demonstrator in Clinical Surgery. 190 Peel Street.

W. L. Barlow, B.A., M.D.
Demonstrator in Clinical Surgery. 4458 Sherbooke Street, Westmount.

W. J. Telfer.
Demonstrator in Chemistry.

J. L. D. Mason, B.A., M.D.
Demonstrator in Pharmacology and Therapeutics. 30 Shuter Street.

C. B. Keenan, M.D.
Demonstrator in Clinical Surgery. 376 Mountain Street.

R. A. Westley, M.D.
Demonstrator in Anatomy. 32 McGill College Ave.

H. M. Church, M.D.
Demonstrator in Anatomy. 401 Metcalfe Ave., Westmount.

H. M. Little, M.D.
Demonstrator in Obstetrics.

J. R. Goodall, M.D.
Demonstrator in Gynaecology.

A. T. Bazin, M.D.
Demonstrator in Anatomy. 454 St. Antoine Street.

H. R. D. Gray, B.A., M.D.
Demonstrator in Obstetrics. 59 Beaver Hall Hill.

C. F. Wylde, M.D.
Demonstrator in Clinical Microscopy. 101 Crescent Street.

David Patrick, M.D.
Demonstrator in Gynaecology. 4174 St. Catherine Street.

C. A. Peters, M.D.
Demonstrator in Clinical Medicine. 1020 St. Catherine Street, West.

F. M. Fry, M.D.
Demonstrator in Clinical Medicine. 939 Dorchester Street.

R. P. Campbell, B.A., M.D.
Demonstrator in Pathology. 343 Dorchester Street West.

A. C. P. HOWARD, M.D.,
Demonstrator of Clinical Chemistry and Assistant Demonstrator of Clinical Medicine

A. MACKENZIE FORBES, M.D.
Demonstrator in Anatomy and Assistant Demonstrator of Orthopædic Surgery.

CHARLES K. P. HENRY, M.D.
Demonstrator in Anatomy and Assistant Demonstrator in Clinical Surgery. 4549 Sherbrooke St., Westmount.

C. K. RUSSELL, B.A., M.D.
Demonstrator in Clinical Medicine. 411 Guy Street.

W. H. JAMIESON, M.D.
Demonstrator in Oto-Laryngology. 209 Peel Street.

J. W. DUNCAN, M.D.
Demonstrator in Obstetrics. 27 Bishop Street.

A. R. PENNOYER, M.D.
Assistant Demonstrator in Clinical Surgery. 2624 St. Catherine Street.

J. G. BROWNE, B.A., M.D.
Assistant Demonstrator in Anatomy. 1171 St. Denis Street.

E. M. VON EBERTS, M.D.
Assistant Demonstrator in Clinical Surgery. 107 Metcalfe Street.

W. H. P. HILL, M.D.
Assistant Demonstrator in Clinical Surgery. 2492 St. Catherine Street.

F. T. TOOKE, B.A., M.D.
Assistant Demonstrator in Ophthalmology. 368 Mountain Street.

HANFORD MCKEE, B.A., M.D.
Assistant Demonstrator in Ophthalmology. 249 Mountain Street.

W. E. NELSON, M.D.
Assistant Demonstrator in Anatomy.

W. H. DONNELLY, M.D.
Assistant Demonstrator in Bacteriology.

F. C. DOUGLAS, M.D., D.P.H.
Assistant Demonstrator in Hygiene.

J. A. LUNDIE, M.D., D.P.H.
Assistant Demonstrator in Hygiene.

A. G. MCAULEY, M.D.
Assistant Demonstrator in Clinical Medicine.

J. W. DUNCAN, M.D.
Assistant Demonstrator in Obstetrics.

R. H. CRAIG, M.D.
Assistant Demonstrator of Rhinology and Laryngology. 186 Peel Street.

W. W. FRANCIS, M.D.
Assistant Demonstrator of Morbid Anatomy. 125 Mansfield Street.

J. A. NUTTER, B.A., M.D.
Assistant Demonstrator of Anatomy. 45 Cathcart Street.

DENTAL DEPARTMENT.

PETER BROWN, L.D.S.
Professor of Operative Dentistry and Operative Technique. 14 Phillips Square.

FRED. G. HENRY, D.D.S.
Professor of Dental Pathology, Dental Materia-Medica and Therapeutics. 2498 St. Catherine Street

D. JAMES BERWICK, D.D.S.
Professor of Prosthetic Dentistry, Metallurgy and Crown and Bridge Work. Inglis Building, 2381 St. Catherine Street.

JAMES B. MORRISON, D.D.S.
Lecturer on Orthodontia. 14 Phillips Square.

J. H. SPRINGLE.
Lecturer in Dental Anatomy (Human and Comparative) and in Dental Surgery. 113 Stanley Street.

A. D. ANGUS, D.D.S.
Demonstrator on Operative Technique. 14 Phillips Square.

W. D. SMITH, D.D.S.
Demonstrator in Prosthetic Dentistry and Bridge Work.
Room 82 Bank of Ottawa Building, St. James Street.

FACULTY OF AGRICULTURE.

(Macdonald College).

J. W. ROBERTSON, LL.D., C.M.G.
Principal. Macdonald College, Ste. Anne de Bellevue.

F. C. HARRISON, B.S.A. (Toronto), M.Sc.
Professor of Bacteriology. " "

WILLIAM LOCHHEAD, B.A., M.S.
Professor of Biology. " "

CARLETON J. LYNDE, Ph.D.
Professor of Physics. " "

LEONARD S. KLINCK, B.S.A., M.S.
Professor of Husbandry " "

For other Officers of Instruction in the several departments of Macdonald College, see page. 271.

McGILL UNIVERSITY COLLEGE OF BRITISH COLUMBIA.

See page. 281.

Professors Emeriti.

(Retaining their Rank and Titles, but retired from work.)

ALEX. JOHNSON, M.A., LL.D., D.C.L., F.R.S.C.
Vice-Principal Emeritus, and Emeritus Professor in the Faculty of Arts. 453 Sherbrooke Street, West.

WM. WRIGHT, M.D.
Emeritus Professor in the Faculty of Medicine. 84 St. Famille St.

HON. MATTHEW HUTCHINSON, D.C.L.
Emeritus Professor in the Faculty of Law. Sherbrooke, Que.

HON. J. EMERY ROBIDOUX, D.C.L.
Emeritus Professor in the Faculty of Law. 151 University Street.

GILBERT P. GIRDWOOD, M.D., M.R.C.S. (England), F.R.S.C., F.I.C., F.C.S.
Emeritus Professor in the Faculty of Medicine. 111 University St.

J. CLARK MURRAY, LL.D., F.R.S.C.
Emeritus Professor in the Faculty of Arts. 20 McTavish Street.

DUNCAN MCEACHRAN, D.V.S., F.R.C.V.S.
Emeritus Dean and Professor in the Faculty of Comparative Medicine and Veterinary Science 176 University Street.

SEPTEMBER, 1907.

1	SUNDAY	
2	Monday	
3	Tuesday	
4	Wednesday	
5	Thursday	
6	Friday	
7	Saturday	
8	SUNDAY	
9	Monday	Matriculation, Exhibition, Scholarship and Supplemental Examinations. Register opens for students in Medicine.
10	Tuesday	Lectures in Law begin.
11	Wednesday	
12	Thursday	Finance Committee.
13	Friday	
14	Saturday	
15	SUNDAY	
16	Monday	College Grounds Committee. Engineering Building Committee. Chemistry and Mining Building Committee.
17	Tuesday	Introductory Lecture in Medicine. Examination in Summer Reading, Applied Science. School of Education, Macdonald College, opens.
18	Wednesday	Lectures in all Faculties (except Law) begin. Exemption Examination in English, Faculty Applied Science. Conservatorium of Music opens. New Medical Buildings opened, 1901.
19	Thursday	
20	Friday	Meeting of Governors. Meeting of Faculty of Arts.
21	Saturday	
22	SUNDAY	
23	Monday	
24	Tuesday	School of Household Science, Macdonald College, opens.
25	Wednesday	
26	Thursday	
27	Friday	
28	Saturday	
29	SUNDAY	
30	Monday	

OCTOBER, 1907.

1	Tuesday	Summer Essays in Applied Science to be sent in. School of Agriculture, Macdonald College opens.
2	Wednesday	Meeting of Academic Board.
3	Thursday	Physics Building Committee.
4	Friday	Meeting of Faculty of Arts.
5	Saturday	Meeting of Faculty of Medicine.
6	SUNDAY	Founder's Birthday.
7	Monday	Meeting of Faculty of Applied Science. University Lecture. Museum Committee. Library Committee.
8	Tuesday	
9	Wednesday	Regular Meeting of Corporation. Annual Report to the Visitor.
10	Thursday	Finance Committee. William Molson Hall opened, 1862.
11	Friday	Sports Day.
12	Saturday	
13	SUNDAY	
14	Monday	Conservatorium of Music opened, 1904.
15	Tuesday	Register in Medicine closes.
16	Wednesday	
17	Thursday	
18	Friday	Meeting of Governors.
19	Saturday	
20	SUNDAY	
21	Monday	Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
22	Tuesday	
23	Wednesday	
24	Thursday	
25	Friday	Meeting of Faculty of Arts.
26	Saturday	
27	SUNDAY	
28	Monday	
29	Tuesday	
30	Wednesday	
31	Thursday	New Library opened, 1893.

NOTE.—Meetings of the Faculty of Arts are held at 4 P.M. unless otherwise specified.

1	Friday	
2	Saturday	Meeting of Faculty of Medicine.
3	SUNDAY	
4	Monday	Meeting of Faculty of Applied Science.
5	Tuesday	
6	Wednesday	
7	Thursday	
8	Friday	
9	Saturday	Edward VII born, 1841.
10	SUNDAY	
11	Monday	
12	Tuesday	
13	Wednesday	
14	Thursday	Finance Committee.
15	Friday	Meeting of Governors. Meeting of Faculty of Arts.
16	Saturday	
17	SUNDAY	
18	Monday	Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
19	Tuesday	
20	Wednesday	
21	Thursday	
22	Friday	
23	Saturday	
24	SUNDAY	
25	Monday	
26	Tuesday	
27	Wednesday	
28	Thursday	
29	Friday	
30	Saturday	

DECEMBER, 1907.

1	SUNDAY	
2	Monday	Meeting of Faculty of Applied Science.
3	Tuesday	
4	Wednesday	Meeting of Academic Board.
5	Thursday	Physics Building Committee.
6	Friday	Meeting of Faculty of Arts.
7	Saturday	Meeting of Faculty of Medicine.
8	SUNDAY	
9	Monday	Museum Committee. Library Committee.
10	Tuesday	
11	Wednesday	Regular Meeting of Corporation.
12	Thursday	Finance Committee
13	Friday	Christmas Examinations in Arts begin.
14	Saturday	
15	SUNDAY	
16	Monday	Christmas Examinations in Applied Science and Medicine begin. Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
17	Tuesday	
18	Wednesday	
19	Thursday	
20	Friday	Chemistry and Mining Building opened, 1898. Term ends in all Faculties. Meeting of Governors. Meeting of Faculty of Arts.
21	Saturday	
22	SUNDAY	
23	Monday	
24	Tuesday	
25	Wednesday	Christmas-Day.
26	Thursday	
27	Friday	
28	Saturday	
29	SUNDAY	
30	Monday	
31	Tuesday	

1	Wednesday	
2	Thursday	
3	Friday	
4	Saturday	Meeting of Faculty of Medicine.
5	SUNDAY	
6	Monday	Second Term opens in all Faculties. Meeting of Faculty of Applied Science.
7	Tuesday	
8	Wednesday	
9	Thursday	Finance Committee.
10	Friday	Meeting of Faculty of Arts.
11	Saturday	
12	SUNDAY	
13	Monday	
14	Tuesday	
15	Wednesday	
16	Thursday	
17	Friday	Meeting of Governors.
18	Saturday	
19	SUNDAY	
20	Monday	Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
21	Tuesday	
22	Wednesday	Queen Victoria died, 1901.
23	Thursday	
24	Friday	
25	Saturday	
26	SUNDAY	
27	Monday	
28	Tuesday	
29	Wednesday	
30	Thursday	
31	Friday	

FEBRUARY, 1908.

1	Saturday	Meeting of Faculty of Medicine.
2	SUNDAY	
3	Monday	Meeting of Faculty of Applied Science.
4	Tuesday	
5	Wednesday	Meeting of Academic Board.
6	Thursday	Physics Building Committee.
7	Friday	Meeting of Faculty of Arts.
8	Saturday	
9	SUNDAY	
10	Monday	Museum Committee. Library Committee.
11	Tuesday	
12	Wednesday	Regular Meeting of Corporation.
13	Thursday	Finance Committee.
14	Friday	
15	Saturday	
16	SUNDAY	
17	Monday	Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
18	Tuesday	
19	Wednesday	
20	Thursday	
21	Friday	Meeting of Governors. Meeting of Faculty of Arts.
22	Saturday	
23	SUNDAY	
24	Monday	Physics and Engineering Buildings opened, 1893.
25	Tuesday	
26	Wednesday	
27	Thursday	
28	Friday	
29	Saturday	

MARCH, 1908.

1	SUNDAY	
2	Monday	Meeting of Faculty of Applied Science.
3	Tuesday	
4	Wednesday	Ash Wednesday. Meeting of Academic Board.
5	Thursday	
6	Friday	Meeting of Faculty of Arts.
7	Saturday	Meeting of Faculty of Medicine.
8	SUNDAY	
9	Monday	
10	Tuesday	
11	Wednesday	
12	Thursday	Finance Committee.
13	Friday	
14	Saturday	
15	SUNDAY	
16	Monday	Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
17	Tuesday	
18	Wednesday	
19	Thursday	
20	Friday	Meeting of Governors. Meeting of Faculty of Arts.
21	Saturday	
22	SUNDAY	
23	Monday	
24	Tuesday	
25	Wednesday	
26	Thursday	
27	Friday	
28	Saturday	
29	SUNDAY	
30	Monday	
31	Tuesday	Last day of Lectures in Arts, Law and Applied Science.

APRIL, 1908.

1	Wednesday	Last day for receiving M.A. and M.Sc. theses.
2	Thursday	Physics Building Committee.
3	Friday	Meeting of Faculty of Arts. Examinations in Arts begin.
4	Saturday	Meeting of Faculty of Medicine.
5	SUNDAY	
6	Monday	Meeting of Faculty of Applied Science. Museum Committee. Library Committee. Examinations in Applied Science begin.
7	Tuesday	
8	Wednesday	Regular Meeting of Corporation.
9	Thursday	Finance Committee.
10	Friday	
11	Saturday	
12	SUNDAY	
13	Monday	
14	Tuesday	
15	Wednesday	
16	Thursday	
17	Friday	Good Friday. Meeting of Governors. Meeting of Faculty of Arts.
18	Saturday	
19	SUNDAY	Easter Sunday.
20	Monday	Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
21	Tuesday	
22	Wednesday	
23	Thursday	
24	Friday	
25	Saturday	
26	SUNDAY	
27	Monday	
28	Tuesday	
29	Wednesday	
30	Thursday	Convocation for Degrees in Arts, Law, and Applied Science

1 Friday	Summer Classes in Arts and Applied Science begin. Meeting of Faculty of Arts.
2 Saturday	Meeting of Faculty of Medicine.
3 SUNDAY	
4 Monday	Meeting of Faculty of Applied Science.
5 Tuesday	
6 Wednesday	
7 Thursday	
8 Friday	
9 Saturday	
10 SUNDAY	
11 Monday	Chemistry and Mining Building Committee. College Grounds Committee.
12 Tuesday	
13 Wednesday	
14 Thursday	Finance Committee.
15 Friday	Meeting of Governors.
16 Saturday	
17 SUNDAY	
18 Monday	Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
19 Tuesday	
20 Wednesday	
21 Thursday	
22 Friday	
23 Saturday	
24 SUNDAY	
25 Monday	
26 Tuesday	
27 Wednesday	
28 Thursday	
29 Friday	
30 Saturday	
31 SUNDAY	

JUNE, 1908.

1 Monday	Graduate course in Medicine begins.
2 Tuesday	
3 Wednesday	
4 Thursday	Physics Building Committee.
5 Friday	
6 Saturday	Meeting of Faculty of Medicine.
7 SUNDAY	
8 Monday	Museum Committee. Library Committee.
9 Tuesday	
10 Wednesday	Regular Meeting of Corporation.
11 Thursday	Finance Committee.
12 Friday	
13 Saturday	
14 SUNDAY	
15 Monday	Engineering Building Committee. Chemistry and Mining Building Committee. College Grounds Committee.
16 Tuesday	
17 Wednesday	School of Education, Macdonald College, closes.
18 Thursday	
19 Friday	Meeting of Governors.
20 Saturday	
21 SUNDAY	
22 Monday	
23 Tuesday	
24 Wednesday	
25 Thursday	
26 Friday	
27 Saturday	
28 SUNDAY	
29 Monday	
30 Tuesday	

1 Wednesday
2 Thursday
3 Friday
4 Saturday

5 SUNDAY

6 Monday
7 Tuesday
8 Wednesday
9 Thursday
10 Friday
11 Saturday

12 SUNDAY

13 Monday
14 Tuesday
15 Wednesday
16 Thursday
17 Friday
18 Saturday

19 SUNDAY

20 Monday
21 Tuesday
22 Wednesday
23 Thursday
24 Friday
25 Saturday

26 SUNDAY

27 Monday
28 Tuesday
29 Wednesday
30 Thursday
31 Friday

AUGUST, 1908.

1 Saturday

2 SUNDAY

3 Monday
4 Tuesday
5 Wednesday
6 Thursday
7 Friday
8 Saiurday

9 SUNDAY

10 Monday
11 Tuesday
12 Wednesday
13 Thursday
14 Friday
15 Saturday

16 SUNDAY Peter Redpath Museum opened, 1882.

17 Monday
18 Tuesday Field Work in Surveying begins.
19 Wednesday
20 Thursday
21 Friday
22 Saturday

23 SUNDAY

24 Monday
25 Tuesday
26 Wednesday
27 Thursday
28 Friday
29 Saturday

30 SUNDAY

31 Monday

TIME TABLES

OF

LECTURES AND EXAMINATIONS.

TIME TABLES OF LECTURES.

Faculty of Arts (Session 1907–1908).

First Year—Men.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Math.	Math.	French.	Math.	Math.	
10	Latin.	Latin.	Latin.	Latin.	History.	
11	French.	French.	German.	German.	French.	
12	German.	English.	English.	English.	Greek.	
2		Physics.		Physics.		
3	Greek.	German.	Greek.	Greek.		
4		Beginners' German.	Beginners' German.	Beginners' German.	Beginners' German.	
5						

First Year—Women.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	German.	9. 15—10, 15 Gymnasium.	History.		French.	Math.
10	French.		German. Adv. Latin.	German. Adv. Latin.	10, 15—11, 15 Gymnasium.	
11	Latin.	Math.	Math.	Latin.		
12	English.	French.	English.	French.	English.	
2		Greek.	Physics.	Greek.	Physics.	
3	Math.	Latin.	Greek.	Math. (Tutorial)	Latin.	
4	Greek. Beginners' German.	German. Beginners' German.	Latin (Tutorial) Beginners' German.	Beginners' German.		
5						

* All women who are undergraduates are required to take two hours per week in the gymnasium.

TIME TABLES OF LECTURES.

Faculty of Arts (Session 1907–1908).

Second Year—Men.

Hours.	Monday	Tuesday	Wednesday	Thursday.	Friday.	Saturday
9	Latin	German. Hebrew.	French.	French.	Latin.	Chem. Lab.
10	German. Hebrew. Com'l. Law.	English	Chemistry.	Chemistry. Hebrew.	French. Com'l. Law.	Chem. Lab.
11	French.	Logic and Psychology.	English	English.	German. Hebrew.	Bot. Lab. (b)
12	Chemistry.	Latin.	History.	Latin.	Logic and Psychology.	Bot. Lab. (b)
2	English.	Mathematics. Biology.	Logic and Psychology.	Mathematics. Bot. Lab (b).	Mathematics. Biology.	
3		Greek. Zool. Lab. (a)	German. Greek.	Greek. Bot. Lab. (b)	Greek. Economics. Zool. Lab. (a)	
4	Chemistry.	Zool. Lab. (a) Economics.			Zool. Lab. (a) History.	
5	Chem. Lab.					

Second Year—Women.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Latin.	French.	French.	English.	German.	
10	English.	English.	Chemistry. *Gymnasium.	History. Chemistry.	Latin.	Chem. Lab.
11	French	Logic and Psychology.	English.	Latin.	French.	Bot. Lab. (b)
12	Chemistry *Gymnasium.	Latin.	*Gymnasium.	German.	Logic and Psychology. *Gymnasium.	Bot Lab. (b)
2	Biology (a)	Mathematics. Biology (b)	Logic and Psychology. Chem. Lab.	Mathematics. Biology (a) Bot. Lab. (b)	Mathematics. Biology (b)	
3	History. Zool. Lab. (a)	Greek. German.	Greek. Chem. Lab.	Greek. Zool. Lab. (a) Bot. Lab. (b)	Greek. Economics.	
4	Adv. Latin. Zool. Lab. (a)	Chem. Lab. Economics.	Adv. Greek.	Zool. Lab. (a)		
5		Chem. Lab.	German.			

(a) Before Christmas. (b) After Christmas.

* All women who are undergraduates are required to take one hour per week in the gymnasium.

TIME TABLES OF LECTURES.

Faculty of Arts (Session 1907–1908).

Third and Fourth Years.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Geology. Mechanics. Sanskrit.	Chemistry.	Geology. Astronomy Sanskrit.	Latin. Hebrew	Zoology.	Chem. Lab. Geol. Lab.
10	German. History. Mathematics. Botany. Physics (*B*).	German. History. Mathematics.	German. History. Mathematics.	German. History. Mathematics. Botany. Physics (*B*)	Geology. Mechanics. Sanskrit.	Chem. Lab. Geol. Lab.
11	Chemistry. English (4 *B*) Greek.	Latin. Hebrew. English (4 *A*)	Latin. Hebrew.	Chemistry. Psychology. Greek.	Latin. Hebrew. English (3 *B*)	Chem. Lab. Geol. Lab.
12	Economics. French. Moral Philos.	Economics. French. Moral Philos. Physics (*A*)	Eng. Comp. IV.	Economics. French. Moral Philos. Physics (*A*)	Economics. French. Moral Philos. Greek.	Geol. Lab.
2	Comp. Philol. Polit. Science Chem. Lab. Physics Lab. Zool. Lab.	Greek, Mechanics. Sanskrit. Pedagogy.	Polit. Science. Zoology.	Comp. Philol. Polit. Science. Physics Lab. Zool. Lab.	Polit. Science Pedagogy	
3	Psychology. Chem. Lab. Physics Lab. Zool. Lab.	English (3 *B*) Mathematics. Psychology. Bot. Lab.	Eng. Comp. III. Chem. Lab. 4th year.	Psychology. Physics Lab. Zool. Lab.	English (4 *B*) Bot. Lab.	
4	Logic & Meta. Roman Law. Chem. Lab. English (3 *A*)	Logic & Meta. Roman Law. Bot. Lab.	Logic & Meta. Roman Law. Chem. Lab. English (3 *A*)	Roman Law. English (4 *A*)	Logic & Meta. Cons. Law. Rom. Law. (*a*) Bot. Lab.	
5		Const. Law(*a*) Botany Lab.	Chem. Lab.	Const. Law (*a*)	Bot. Lab.	

(*A*) Heat, Light and Sound. (*B*) Magnetism and Electricity. (*a*) During Second Term.

TIME TABLES OF LECTURES.

Faculty of Law (Session 1907-1908.)

FIRST YEAR.

Tuesday, 10th Sept., to Friday, 15th November—10 Weeks.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
8.30	Legal History. Prof. McGoun.	Procedure. Mr. McDougall.	Legal Hist. Prof. McGoun.	Procedure. Mr. McDougall.	Legal Hist. Prof. McGoun.
4.00	Roman Law. The Dean.	Pleading. Mr. Surveyer.	Roman Law. The Dean.	Pleading. Mr. Surveyer.	Roman Law. The Dean
5.00	Persons. Mr. McDougall	Const. Law. The Dean	Persons. Mr. McDougall.	Const. Law. The Dean	Persons. Mr. McDougall

Monday, 18th Nov., to Friday, 20th Dec.—5 weeks.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
8.30	Pleading. Mr. Surveyer	Procedure. Mr. McDougall.	Pleading. Mr. Surveyer.	Proced. Mr. McDougall.	Pleading. Mr. Surveyer.
4.00	Roman Law. The Dean.		Constitutional Law. The Dean.		Roman Law The Dean.
5.00	Real Rights. Prof. Marler.	Roman Law. The Dean.	Real Rights. Prof. Marler.	Roman Law.	Real Rights.

Monday, 6th Jan., to Friday, 6th March—9 weeks.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
8.30		Pleading. Mr. Surveyer.		Pleading. Mr. Surveyer.	
4.00	Roman Law. The Dean.		Roman Law.		Roman Law.
5.00	Real Rights. Three Weeks.	Constitutional Law. The Dean.	Real Rights.	Const. Law.	Real Rights.

Monday, 9th March, to Tuesday, 31st March—3 weeks.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
8.30		Pleading. Mr. Surveyer.		Pleading. Mr. Surveyer.	
4.00	Roman Law.	Roman Law.	Roman Law.	Roman Law.	Constitutional Law. The Dean
5.00	Criminal Law. Prof. Mr. Justice Davidson.	Criminal Law.	Criminal Law.	Constitutional Law.	Criminal Law.

TIME TABLES OF LECTURES.

Faculty of Law (Session 1907–1908).

SECOND AND THIRD YEARS.

Tuesday, 10th Sept., to Friday, 15th November—10 weeks.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday. 9 a.m.
8.30	Gifts and Wills. Prof. Mr. Justice Doherty.	Marriage Covenants. Prof. Geoffrion.	Gifts and Wills.	Marriage Covenants.	Gifts & Wills.	Marriage Covenants
4.00	Commercial Law. Prof. Mr. Justice Doherty.	Obligations. The Dean.	Commercial Law.	Obligations. The Dean.	Comm. Law.	
5.00	Criminal Law. Prof. Mr. Justice Davidson.	Commercial Law. Prof. R. C. Smith	Criminal Law.	Comm. Law.	Crim. Law.	

Monday, 18th Nov., to Friday, 20th Dec.—5 weeks.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday. 9 a.m.
8.30	Gifts and Wills. Prof. Mr. Justice Doherty.	Marriage Covenants. Prof. Geoffrion.	Gifts and Wills.	Marriage Covenants. Prof. Geoffrion.	Gifts & Wills.	Marriage Covenants.
4.00	Commercial Law. Prof. Mr. Justice Doherty.	Obligations. The Dean.	Commercial Law.	Obligations. The Dean.	Commercial Law.	
5.00	Criminal Law.	Commercial Law. Prof. Smith.	Criminal Law.	Comm. Law. Prof. Smith.	Criminal Law	

Monday, 6th Jan., to Friday, 6th March—9 weeks.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday. 9 a.m.
8.30	Civil Procedure. Prof. Mr. Justice Doherty.	Partnership. Prof. McGoun.	Civil Proced.	Partnership.	Civil Proced.	Marriage Covenants. Prof. Geoffrion
4.00	Real Property Law. Prof. Marler. 6 weeks. N.B. This course will begin after the completion of Prof. Marler's course to the first year.	Obligations. The Dean.	Real Property Law.	Obligations.	Real Property Law.	
5.00	Private Internat. Law. Prof. Lafleur	Procedure. Prof. Mr. Justice Doherty.	P. I. L.	Civ. Proced.	P. I. L.	

Monday, 9th March, to Tuesday, 31st March—3 weeks.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday. 9 a.m.
8.30	Partnership. Prof. McGoun.		Partnership.		Partnership.	Marriage Covenants. Prof. Geoffrion
4.00	R. P. L.	Obligations.	R. P. L.	Obligations.	R. P. L.	
5.00	Public Internat. Law. Prof. Lafleur.	Procedure. Prof. Mr. Justice Doherty.	Public Internat. Law.	Civil Proced.	Pub. Internat. Law.	

TIME TABLES OF LECTURES.

Faculty of Applied Science (Session 1907-1908).

The Time Tables in Applied Science for 1907-1908, will follow in the main those for the previous year. Complete particulars will be issued to students at the commencement of the session.

TIME TABLES OF LECTURES.

Faculty of Medicine, (Session 1907-1908).

The extension of the course in Medicine will necessitate a re-arrangement of subjects and consequently a number of changes in the hours hitherto assigned for lectures. Complete Time Tables will be issued to students at the commencement of the Session.

EXAMINATION TIME TABLES.

Matriculation Examination.

SEPTEMBER, 1907.

Monday, September 9th.

Morning	9–10.30.—English Grammar.
	10.30–11.—English Dictation.
	11–12.—English Composition (Prelim.)
Afternoon	2.30–4.30.—English Literature and Composition.
	4.30–6.—History.

Tuesday, September 10th.

Morning	9–11.—Latin Grammar and Composition.
	11–12.30.—Arithmetic.
Afternoon	2.30–4.30.—Latin Books and Sight Translation.

Wednesday, September 11th.

Morning	9–11.—French.
	11–12.30.—Trigonometry.
Afternoon	2.30–4.30.—German.—
	4.30–6.—Chemistry and Botany.

Thursday, September 12th.

Morning	9–11.—Geometry, Part I.
	11–12.30.—Physics and Physiography.
Afternoon	2.30–4.—Algebra, Part II.
	4–5.30.—Geometry, Part II.

Friday, September 13th.

Morning	9–11.—Algebra, Part I.
	11–1.—Greek Grammar and Composition.
Afternoon	3–5.—Greek Books and Sight Translation.

EXAMINATION TIME TABLES.

Faculty of Arts.

Exhibition, Scholarship and Supplemental Examinations, September, 1907.

DATE.	Hour.	Supp. to First Year Sessional.	Second Year Exhibitions.	Supp. to Second Year Sessional.	Scholarships (Third Year).	Supp. to Third Year Sessional.*
Monday..... 9	9	English Literature.	English Literature (Shakspere); History.	English Literature.	English Literature (Shakspere and Milton).	English.
	2.30	English Composition and History.	English Literature. (Milton, Johnson).	English Composition.	English Literature (Burke & Arnold).	
Tuesday.....10	9	Latin Books.	Latin Books.	Latin Books.	Latin Translation at Sight.	Latin Books.
	2.30	Latin Composition, Sight Translation and History.	Latin Composition, Sight Translation and History.	Latin Composition, Sight Translation, History and Literature.	Latin Composition, and Language.	Latin Composition, Sight Translation, History and Literature.
Wednesday..11	9	French.	French.	French.	French Books. Economics.	French: Botany.
	2.30	German.	German.	German.	French Composition and Sight.	German.
Thursday.....12	9	Algebra.	Geometry.	Algebra.	Animal Biology. Analytic Geometry. Rom. Hist. and Lit., 9-10.30. Greek Hist. and Lit., 10 30-12.	Mathematics.
	2.30	Trigonometry.	French.	Psychology.	German Books. Plant Biology.	Chemistry.
Friday.....13	9	Greek Books.	Greek Books.	Greek Books. Logic.	Greek Translation at Sight; Physics. Psychology.	Greek Books.
	2.30	Greek Composition, Sight Translation and History.	Greek Composition, Sight Translation and History.	Greek Composition, Sight Translation, History and Literature.	Greek Composition and Language. Economics.	Greek Composition, Sight Translation, History and Literature.
Saturday.....14	9	Physics.	Algebra and Theory of Equations. German.	Conics and Solid Geometry. Biology.	Infinitesimal Calculus; German. Comp. & Sight.	
	2.30	Goemetry.	Physics.	Chemistry. History and Economics	Modern History and English Composition.	

* Periods for other subjects to be arranged at the time of the Examinations.

EXAMINATION TIME TABLES.

Faculty of Arts.

Christmas Examinations, 1907.

	First Year.	Second Year.	Third and Fourth Years.
Friday, Dec. 13th.....A.M.	Latin.	Latin.	Latin.
" P.M.		Geometry.	English.
Monday, Dec. 16th.....A.M.	Greek.	Greek and Comm. Geog.	Math.; Moral Phil.
" P.M.	Spanish.	Chemistry.	Geology.
Tuesday, Dec. 17th.....A.M.	Physics.	Psychology.	Greek; Econom.; Econ. Hist
" P.M.	French.	French.	Physics (Third Year).
Wednesday, Dec. 18th..A.M.	Geometry.	English.	Moral Philosophy; French
" P.M.	German.	German. Hebrew.	German; Italian; Botany.
Thursday, Dec. 19th ...A.M.	English.		Pol. Sci.; Greek Lit.
" P.M.		Biology.	Zoology; Political Science.
Friday, Dec. 20th.....A.M.			Physics.

EXAMINATION TIME TABLES.

Faculty of Applied Science.

Christmas Examinations, 1907.

(Subject to alteration by the Faculty.)

Day & Date.	First Year.	Second Year.	Third Year.	Fourth Year.
Monday, Dec. 16th, A.M.	Dynamics.	Arch. Ornament	Cont. Cur. Mchy. Arch. Ornament	Mechl. Eng.
P.M.	.....	Chemistry (A) Arch. Orn. Des.	Geology Arch. Orn. Des.	Arch. Orn. Des.
Tuesday, Dec. 17th, A.M.	.....	Surveying.	Graph. Stat.	Ore Dressing.
P.M.	Exp. Phys.	Arch. Hist. Det.	Roads and Canals	Roads and Canals
			Arch. Hist. Det.	Can. Geol. (C) Arch. Hist. Det.
Wedn'sday, Dec. 18th, A.M.	.....	Mechanics.	Qual Anal. Arch. Specifications	Hydraulics. Arch. Specifications
P.M.	.....	.....	Surveying.	Hydr. Lab. Arch. Design.
Thursday Dec. 19th, A.M.	.....	Anal. Geom. Arch. Des.	Arch. Perspec. Des. Geom.	Prac. Astron. Mach. Design. Metallurgy. Arch. Design.
P.M.	Geometry	Arch. Des.	Arch. Des. Mathematics	Arch. Design.
Friday, Dec. 20th, A.M.	Geom. Dr.	Exp. Physics	Metallurgy Hist. of Arch.	Elec. Lighting Hist. of Arch. Mineralogy (C)

Note.—Examinations begin at 9 a.m. and 2.30 p.m. Gowns will not be worn.
C—Chemistry Building. A—With Arts Classes.
All other examinations in the Main Examination Hall.

EXAMINATION TIME TABLES.

Faculty of Arts.

Sessional Examinations, 1908.

Morning examinations commence at 9; afternoon examinations at 2.30.

Day and Date.	First Year.	Second Year.	Third and Fourth Years.
Friday, April 3rd.....A.M.		German.	English Composition.
" P.M.		German.	English
Saturday, April 4th....A.M.	Physics.		Physics.
Monday, April 6th.....A.M.	English.	English.	French; Econ.; Moral Ph.
" P.M.	English.	English.	French; Econ.; Moral Ph.
Tuesday, April 7th.....A.M.	Latin.	Latin.	Latin; Hebrew.
" P.M.	Latin.	Latin.	Mechanics; Latin; Hebrew
Wednesday, April 8th..A.M.	Algebra.	Chemistry.	Chemistry.
" P.M.	Trigonometry.	Chemistry.	Chemistry; English.
Thursday, April 9th....A.M.		Hist. & Econ.	Geology; Sanskrit; Astronomy.
" P.M.		Hist. & Econ.	Geology; Sanskrit.
Friday, April 10th.....A.M.	French.	Greek.	Logic & Meta.; Botany.
" P.M.	French.	Greek.	Logic & Meta; Botany.
Monday, April 13th ...A.M.	Greek.	French.	History; Greek, German; Math.
" P.M.	Greek.	French.	History; Greek, German; Math.
Tuesday, April 14th..... A.M.	German.	Logic.	Political Science; Comp. Phil.
" P.M.	German.	Hebrew.	English.
Wednesday, April 15th.A.M.		Mathematics. Botany; Zoology	Psychology; Zoology.
" P.M.		Mathematics. Zoology.	Psychology; Zoology.

McGill University.

GENERAL INFORMATION.

Foundation and Early History.

Almost alone in this respect among Canadian colleges and universities, McGill University owes its origin to a private endowment. Its founder, the Hon. James McGill, from whom the University takes its name, was born on the 6th October, 1744, in Glasgow, Scotland, where he received his early education and training. Emigrating to Canada before the American Revolution, he engaged in the North-West fur trade, then one of the leading branches of business in Canada. Subsequently he settled in Montreal, and, in partnership with his brother, Andrew McGill, became one of its leading merchants, distinguished for his public spirit and his exertions for the advancement of the city. He was lieutenant-colonel, and subsequently colonel, of the Montreal City Militia, and, in his old age, on the breaking out of the American war of 1812, he became brigadier-general, and was prepared to take the field in defence of his country. He also represented the West Ward of Montreal in the Provincial Legislature, and was afterwards a member of the Legislative and Executive Councils. Cultivating and enjoying the society of the few men of learning then in the colony, he took a special interest in the establishment of an educational system in the Province of Quebec. By his will, bearing date the 8th January, 1811, more than two years before his death, which happened on the 19th December, 1813, he bequeathed his property of Burnside and a sum of £10,000 in money to found a college in a provincial university, the erection of which had already been provided for by the generosity of the British Government. Three leading citizens of Montreal were among the trustees appointed under his will, who were directed to convey the subject property of the bequest to the

Royal Institution for the Advancement of Learning, a body which, in 1802, had been incorporated by the Legislature "for the establishment of Free Schools and the advancement of Learning" in the Province of Quebec. The conditions upon which the property was to be transferred to the Royal Institution for the Advancement of Learning were, mainly, that that Institution should, within ten years after the testator's decease, erect and establish on his Burnside estate "an University or College, for the purposes of education and the advancement of learning in this Province," and that the college, or one of the colleges, in the University, if established, should "be named and perpetually be known and distinguished by the appellation of McGill College." Owing to persistent opposition by the leaders of one section of the people to any system of governmental education and to the refusal by the Legislature to make the grants of land and money which had been promised, the proposed establishment of the provincial university by the British Government was abandoned.

In so far as the McGill College was concerned, however, the Royal Institution at once took action by applying for a Royal Charter. Such a charter was granted in 1821, and the Royal Institution prepared to take possession of the estate. But, owing to protracted litigation, this was not surrendered to them till 1829. Commencing then the work of teaching with two faculties, Arts and Medicine, the record of the first thirty years of the University's existence is an unbroken tale of financial embarrassment and administrative difficulties. The charter was cumbrous and unwieldy, and unsuited to a small college in the circumstances of this country, and the University, with the exception of its medical faculty, became almost extinct. But after thirty years the citizens of Montreal awoke to the value of the institution which was struggling in their midst. Several gentlemen undertook the responsibility of its renovation, and, in 1852, an amended charter was secured. The Governor-General of Canada for the time being, Sir Edmund Head, became interested in its fortunes, and in 1855, with the advent of a new Principal, an era of progress and prosperity began.

Constitution of the University.

By the amended Charter "the Governors, Principal, and Fellows" of the University are constituted a body politic and corporate, with all the usual rights and privileges of corporate bodies. The supreme authority, however, is vested in the Crown, and is exercised by His Excellency the Governor-General of Canada, for the time being, as **Visitor.** This is a special and important feature of the constitution, for, while it gives the University an imperial character and removes it at once from any merely local or party influence, it secures the patronage of the head of the political system of the country.

The **Governors** of the University are the members of the Royal Institution for the Advancement of Learning, above mentioned, and in them are vested the management of finances, the passing of University statutes and ordinances, the appointment of professors, and other important duties. Their number is limited to fifteen, and vacancies are filled by the nomination of the remaining members, with the approval of the Visitor. The President of the Board of Governors is, *ex-officio,* Chancellor of the University.

The **Principal** is the academic head and chief administrative officer. He is appointed by the Board of Governors (of which he is also a member, *ex-officio*), and holds the office also of Vice-Chancellor of the University.

The **Fellows** are limited to 43 in number, and are selected with reference to the representation of all the faculties and departments of the University, and of the graduates, affiliated colleges, and other bodies.

The Governors, Principal and Fellows, together constitute the **Corporation,** the highest academical body. Its powers are fixed by statute, and include the framing of all regulations touching courses of study, matriculation, graduation, the granting of degrees and discipline.

The Principal, the Deans of the several Faculties, the Professors and Associate Professors, and other members, not exceeding ten in number, of the teaching staff, constitute the **Academic Board** of the University, with the duty of considering such matters as pertain to the interests of the University as a whole, and of making recommendation concerning the same.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training.

Faculties and Courses.

The educational work of the University is carried on in McGill College, the Royal Victoria College for Women, and other University buildings in Montreal, and also in Macdonald College at Ste. Anne de Bellevue, the McGill University College of British Columbia, Vancouver, B.C., and in the Affiliated Colleges at Stanstead, Que., Victoria, B.C., and Edmonton, Alta. The courses offered in the several Faculties of the University and in the Graduate School are as follows:—

The Faculty of Arts.—The undergraduate courses of study extend over four sessions of seven and a half months each. Two courses are provided, one leading to the Degree of Bachelor of Arts and the other to that of Bachelor of Science. A two years' course for the Diploma of Commerce has also been established in this Faculty. (For particulars see page 147). In the second, third and fourth years extensive options are provided, and certain exemptions also are allowed to professional students. The Degree of B.A. from this University admits the holder to the study of the learned professions, without preliminary examination, in the Provinces of Canada, and in Great Britain and Ireland, and elsewhere. Information regarding the Higher Degrees given in course will be found under "Graduate School," page 6, and also under "Degrees," on pages 59-63.

Persons actually engaged in teaching may attend classes in Arts as partial students under a special arrangement as to fees and hours of lectures. (For fees, see page 53.)

The undergraduate course in Arts can be taken along with the undergraduate course in Medicine, in seven years, or with that in Applied Science in six years. The Degrees of B.A. and B.C.L. can be obtained in five years but only by students who give their whole time to their College course. This is effected by avoiding the duplication of courses in

the same subjects or in those which give the same educational training, and by a proper adaptation of the time tables. Alternatively, a certificate of Literate in Arts is given along with the Degree in Medicine, Applied Science, or Law, to candidates who have completed two years in Arts before entering the professional Faculty. This certificate is also given to students of Affiliated Colleges who have completed the work of the first two years and have passed the prescribed examinations, as undergraduates of McGill University.

The courses in Arts are open to women (who are educated mainly in separate classes) on equal terms with men.

The Faculty of Applied Science.—The undergraduate courses of study extend over four sessions averaging, with summer sessions, about eight months each, and provide a thorough professional training in Architecture, Chemistry, Civil Engineering, Electrical Engineering, Mechanical Engineering, Metallurgy, Mining Engineering and Railways (Theory and Practice). The courses of study lead to the Degrees of Bachelor of Architecture (B.Arch.) and Bachelor of Science (B.Sc.). For Higher Degrees, in course, see under "Graduate School," page 6, and also under "Degrees" on pages 60 and 61. The undergraduate course in Arts can be taken along with the undergraduate course in Applied Science in six years.

The Faculty of Law.—The undergraduate course extends over three sessions of eight months each, and leads to the Degree of Bachelor of Civil Law (B.C.L.). (For higher Degree, in course, see under "Graduate School," page 6, and also under "Degrees" on page 62). The undergraduate course in Arts can be taken along with the undergraduate course in Law in five years, but only by students who give their whole time to their College work.

The Faculty of Medicine.—The undergraduate course of study leading to the Degree of M.D., C.M., extends over five sessions of nine months each, and that leading to the Degree of Master of Dental Surgery extends over four sessions of the same length. (For higher Degrees, in course, see under "Graduate School," page 6, and also under "Degrees" on page 61). The undergraduate course in Arts can be taken

along with the undergraduate course in Medicine in seven years.

The Faculty of Agriculture.—The course of study for undergraduates extends over four sessions of about seven months each, and leads to a Bachelor's Degree.

The course in Agriculture is given in Macdonald College at Ste. Anne de Bellevue, for full particulars regarding which see page 270.

Graduate School.—In the Graduate School courses of instruction are provided leading to the following Degrees, in course: Master of Arts (M.A.); Master of Science (M.Sc.); and Doctor of Philosophy (Ph.D.). All other Degrees, in course, Doctor in Dental Science (D.D.S.); Doctor of Civil Law (D.C.L.); Doctor of Science (D.Sc.); and Doctor of Literature (D.Lit.), are also granted on the recommendation of the Committee on Graduate Studies.

The requirements for the several Degrees in the Graduate School and other information in this connection will be found on pages 59 to 61.

Conservatorium of Music.

Thorough instruction in all branches of music is given in the Conservatorium of Music recently established in connection with the University. Pupils are prepared for the different examinations of the Associated Board of the Royal Academy of Music and the Royal College of Music of London, England, which are now carried on throughout Canada by the University. Successful candidates receive certificates bearing the imprimatur of the University as well as that of the Associated Board.

Full details of the requirements for each examination, fees, etc., are published in a separate syllabus, which can be obtained (free), together with specimen Theory papers (price ten cents) and full information, on application to the Secretary of the McGill Conservatorium of Music, 323 Sherbrooke St. W., Montreal.

For information as to the higher courses leading to University Degrees in Music, which it is proposed to institute in connection with the Conservatorium, application should be made to the Registrar of the University.

Affiliated Colleges.

Students in Affiliated Colleges are matriculated in the University, and may pursue their course of study in the affiliated college, or in part in the affiliated college, and in part in McGill College, as the case may be, and may come up to the University examinations on the same terms as the students of McGill College.

A certificate of "Literate in Arts" will be given to students of Affiliated Colleges who have completed two years study in one of these colleges, as undergraduates of McGill University, and have passed the prescribed examinations.

The McGill University College of British Columbia, Vancouver, B.C., is a college of the University, at present conducting courses up to the end of the second year in the Faculties of Arts and Applied Science. Detailed information is given on page 281.

The Stanstead Wesleyan College, Stanstead, P. Q., is affiliated in so far as regards the work of the first two years in Arts. Detailed information may be obtained from the Rev. C. R. Flanders, B.A., D.D., Principal.

Victoria College, Victoria, B.C., is affiliated in so far as regards the work of the first two years in Arts, and the first year in Applied Science. Detailed information is given on page 281.

Alberta College, Edmonton, Alta., is affiliated up to the end of the first two years in Arts. Full information can be obtained from the Principal, Rev. J. H. Riddell, B.A., B.D.

Affiliated Theological Colleges.

Students of the following affiliated theological colleges may attend the courses of study in Arts, either as undergraduates or partial students, with such facilities in regard to exemptions as may be agreed on:—

The Congregational College of Canada, Montreal.—Principal, Rev. E. M. Hill, D.D., 58 McTavish St.

The Diocesan College of Montreal.—Principal, Rev. E. I. Rexford, M.A., LL.D., 201 University St.

The Presbyterian College, Montreal, in connection with the Presbyterian Church in Canada. Principal, Rev. John Scrimger, M.A., D.D., 69 McTavish St.

The Wesleyan College of Montreal.—Principal, Rev. W. I. Shaw, D.D., LL.D., 228 University St.

Calendars of each of the above Colleges and all necessary information may be obtained on application to the Principals.

The School of Education of Macdonald College.

The School of Education of Macdonald College provides the instruction and professional training requisite for Protestant teachers of elementary and model schools in the province of Quebec. Candidates for the academy diploma receive their instruction in the University. Holders of model school diplomas from this school are encouraged by the offer of bursaries (see page 34) to enter the classes in the Faculty of Arts for the academy diploma and for the degree of B.A. Copies of the announcement may be obtained from the Head of the School, George H. Locke, M.A., Macdonald College, Ste. Anne de Bellevue, Que. For further information, see page 275.

Affiliated High Schools.

Schools in which candidates are prepared for matriculation are reckoned as affiliated schools in that sense.

The following schools prepared successful candidates for matriculation in June, 1906:

Albert College, Belleville, Ont.; Alberta College, Edmonton, Alta.; Ashbury College, Ottawa; Bedford Academy; Belleville High School, Ont.; Bishop's College School, Lennoxville, Que.; Brooklyn Evening High School, N.Y.; Buckingham Academy; Catholic High School, Montreal; Coaticook High School; Columbian College, New Westminster, B.C.; Cookshire Academy; Cornwall High School, Ont.; Cowansville Academy; Chilliwack High School, B.C.; Crichton School; Danvile Academy; Dunham Ladies' College; East Orange High School, N.J.; Feller Institute, Grande Ligne, Que.; Gananoque High School, Ont.; Gault Institute, Valleyfield, Que.; Girls' High School, Quebec; Gould Model School; Granby High School; Hamilton Collegiate Institute, Ont.; Harrison College, Barbados; Hawkesbury High School, Ont.; Highfield School, Hamilton, Ont.; Huntingdon Academy; Inverness Academy; King's College, Compton; Lachute Academy; Lennoxville Academy; London Collegiate Institute, Ont.; Mico Institute, New York; Montreal High Schools; Montreal Senior School; Nanaimo High School; Ormstown Academy; Ottawa Collegiate Institute; Ottawa Ladies' College; Pointe aux Trembles Schools; Port Arthur High School, Ont.; Prince of Wales College, P.E.I.; Rapid City P. S., Manitoba; Revelstoke High School, B.C.; Ridley College, St. Catharines, Ont.; Rockland High School, Ont.; Rossland High School, B.C.; Rothesay College, N.B.; Sabrevois College; Seattle High School, Washington Terr.; Sherbrooke High School; Shortell's Academy, Montreal; St. Andrew's College, Toronto; St. Francis College Grammar School, Richmond, Que.; St. John The Evangelist School; St. Patrick's School, Quebec; Stanstead Wesleyan College; Sutton Academy;

Miss Symmers and Miss Smith's School; Toronto Junction Collegiate Institute, Ont.; Trafalgar Institute; Trinity College School, Port Hope, Ont.; Upper Canada College, Toronto, Ont.; Vancouver College, B.C.; Victoria College, B.C.; Waterloo Academy; Wesleyan Theological College; Westmount Academy; Wykeham House School.

Affiliation to Other Universities.

The University is affiliated to the universities of Oxford, Cambridge and Dublin, under conditions which allow an undergraduate who has taken two years' work, and has passed the second year sessional examination in Arts, to pursue his studies and take his degree at any of those universities on a reduced period of residence.

The Session.

The University Year or Session is divided into two terms, the first extending to the Christmas vacation, and the second from the expiry of the Christmas vacation to the date appointed for the meeting of Convocation for the conferring of degrees.

The Session 1907-1908 will commence in the Faculty of Law on Tuesday, September 10th, 1907, and in all other Faculties on Wednesday, September 18th, 1907, and will end in the Faculties of Arts, Applied Science and Law on Thursday, April 30th, 1908, and in the Faculty of Medicine, about Friday, June 12th, 1908.

Two matriculation examinations (for entrance to all Faculties) will be held in 1907, the first commencing on Wednesday, June 12th, and the second on Monday, September 9th.

Second Year Exhibition, Third Year Scholarship and Supplemental Examinations in Arts will begin on Monday, September 9th, 1907. (For time table, see first part of Calendar.)

Supplemental examinations in Applied Science will be held in August and September, commencing in August, on Wednesday, the 14th, and in September, on Tuesday, the 10th.

Field work in Surveying will commence on Monday, August 19th, 1907, and the summer school in Mining will be held at the end of the session.

The annual University Lecture will be delivered on Monday, October 7th, 1907.

Summer Classes. During the months of May and June, a series of SUMMER CLASSES will be conducted, intended mainly, in the first instance, to meet the requirements of students in the first two years of their course. The subjects offered in the Faculty of Arts are English, Latin, Greek, Mathematics, Physics, Chemistry, Logic, French, German and elementary Animal Biology. The fees payable are stated on page 53, Classes will also be conducted in the following subjects of the First Year in the Faculty of Applied Science, if a sufficient number of students apply: Descriptive Geometry, Freehand Drawing, Lettering, Mathematics, Physics, Shopwork. For fees, see page 54.

A Summer School for the training of Librarians will be held during the month of June, 1907. Full information may be obtained from Mr. C. H. Gould, B.A., University Librarian.

During July or August, 1908, a summer school in French will be conducted at Macdonald College, Ste. Anne de Bellevue, near Montreal. Full particulars will be furnished by the Registrar after January 1st, 1908.

Board and Residence.

No college residences have as yet been erected for men students, but dormitory accommodation for about 60 is provided in Strathcona Hall, the new McGill Y.M.C.A. building, which has been erected by a committee of the Association. Full particulars concerning terms of residence, etc., may be obtained from the Secretary of the Association, 348 Sherbrooke St. West, Montreal, who will also make arrangements to have students met on arrival and helped to secure lodgings, if due notice is sent of the station and time at which they will arrive. A detailed description of this building will be found on page 242.

The erection of suitable University residential halls for men is contemplated in the near future.

In the "McGill Union," which has been erected for the relaxation and social intercourse of the students of the various Faculties, excellent board is supplied at a reasonable rate,

about fourteen dollars per month. A full description of the "Union" building is given on page 241.

Women students may board and reside either in private houses or in the Royal Victoria College, which provides, in addition to separate lecture rooms, residential accommodation for the women students of the University. The expense of board and residence in the Royal Victoria College varies from $290 to $440, according to the position of the rooms. Students who do not remain over for the summer classes receive a deduction of $50 from the regular charge. Further particulars are given on page 265.

Good board and lodging can be obtained in private houses in the vicinity of the University buildings at a cost of from $18 and upwards per month; or, separately, board at $12 to $18 per month, rooms at $5 to $12 per month.

A list of suitable boarding and lodging houses, the sanitary conditions of which are required to be properly certified, is prepared annually, and may be obtained upon application to the Registrar of the University.

Classification of Students.

Except under special circumstances, no student under the age of sixteen is admitted to the first year courses in Arts, Applied Science or Medicine, or under the age of seventeeen to the second year, and no student under the age of seventeen is admitted to the course in Law.

Students are classified as Graduate Students, Undergraduates, Conditioned Students and Partial Students.

Graduate Students are graduates who are taking a course of study leading to a higher degree.

Undergraduates are matriculated students who are pursuing a full undergraduate course of study leading to a degree.

In order to obtain undergraduate standing, a candidate must have passed the matriculation examination of the University or some other examination accepted in lieu thereof (see page 15), and have registered as a matriculated undergraduate.

Conditioned Students are those who, not having completed their matriculation examination, are pursuing a full undergraduate course of study leading to a degree, and are entitled

to obtain undergraduate standing on completing their matriculation. (See Reg. 7, page 14.)

Partial Students are those who, not belonging to one of the above classes of students, are pursuing a course of study in the University. Except as provided below, such students may, subject to the approval of the Professor, attend any class without previous examination.

Persons who wish to take a partial course in the first year of the Faculty of Arts must, if under the age of eighteen years, first present to the Dean certificates of having taken a satisfactory course of school instruction. In order to obtain admission to the classes in French, intending students must have passed the University matriculation examination, or an equivalent examination, in that subject.

Partial students who subsequently obtain undergraduate standing by passing the matriculation examination may, as undergraduates, be exempted, at the discretion of the Faculty, from any particular course or courses of lectures which they may have attended as partial students and in which they have passed the sessional examinations.

Partial students who intend to proceed to a degree will be expected to employ the greater part of their time in qualifying themselves to pass the matriculation examination. The classes provided for the instruction of conditioned students in matriculation subjects will be available also for partial students who are so qualifying.

The several Faculties shall discourage partial students who are qualifying for matriculation, from attempting more work than they are able to undertake, consistently with the requirements of the matriculation examination.

The Secretary of the Matriculation Board shall, after the September examination, send to the Dean of each Faculty a report of the standing of those candidates who have failed in the matriculation examination, for the guidance of the Faculties in connection with the admission of partial students to the first year.

All students are required to attend lectures at the University buildings in Montreal, at Macdonald College (for the courses in Agriculture), or at one of the Affiliated Colleges.

MATRICULATION.

All matters regarding matriculation are under the control of a Matriculation Board, which is constituted as follows:

(a) The Heads of all Departments which may include matriculation subjects, *ex officio*.

(b) The Deans of the several Faculties and the Registrar of the Faculty of Medicine.

(c) Such other members of the teaching staff (or others), as may be appointed annually by Corporation, the Faculty of Arts being given the power, in any emergency, to make an appointment, *pro tempore*.

I. Regulations.

1. Matriculation examinations (for entrance into all Faculties) are held only in June and September—in June at McGill college and (on application) at local centres; in September, at McGill College and affiliated colleges (Vancouver, B.C., Victoria, B.C., and Edmonton, Alta.), only.

All inquiries relating to the examination should be addressed to the Registrar of the University.

For the convenience of candidates in Great Britain, who are not otherwise qualified for entrance, an examination will be held regularly in London each year, commencing on, or about the 12th of June. Full information regarding the exact place of examination and dates, fee, etc., may be obtained from J. Stuart Horner, Esq., care of Messrs. John Birch & Co., 3 London Wall Buildings, London, E.C., who has kindly undertaken to act as the Honorary Representative of the University in England.

2. Every Candidate for examination is required to fill up an application form and return the same with the necessary fee one month before the examination. Blank forms may be obtained from the Registrar.

3. In order to obtain an examination at a local centre, any Headmaster or other person must, before May 1st, submit to the Registrar the name of some suitable person, preferably a university graduate, who is willing to act as deputy examiner, i.e., receive the questions, hold the examinations and forward the answers to Montreal. The University will be responsible for no other local expenses than the payment of the deputy-examiners.

4. The matriculation examination may be taken in two parts, the Preliminary Division comprising (1) English Composition and Dictation, (2) English Grammar, (3) History and Geography, and (4) Arithmetic, and a candidate who passes on any three of the four papers set in this Division, at one time,* will be allowed to count, to his credit the subjects covered thereby, provided he passes on the remaining paper when he presents himself for examination in the Final Division. Those who fail on two or more papers will be required to take this part of the examination over again.

5. Candidates for examination in the Final Division who fail in not more than two subjects at one time * may complete matriculation by passing in the subject or subjects in which they failed, at any matriculation examination held within the same or the following year.

6. The examination may also be taken as a whole (without reference to Divisions), in which case those who have obtained pass standing in at least half of the required subjects for entrance to any Faculty, at one time,* may complete the matriculation examination by passing in the remaining subject or subjects at any examination held within the same or the following year.

7. Candidates who at the September examination fail in a small part only of the whole examination may, if their general standing is sufficiently high, be allowed to enter the first year as Conditioned Students. Those who are conditioned in a language must attend a special tutorial class during their first session, for which a fee of $10 is exigible. Any student, so

* Subjects passed at the June and September examinations of the same year will be considered as having been passed "at one time." Candidates, therefore, who have failed at the June examination and present themselves in the *following* September will not be required to take the subjects in which they passed in June.

conditioned, who fails to attend this class with regularity, will not be allowed to present himself for examination. The standing of a conditioned student will not as a rule be granted to any who have not presented themselves for examination in September, nor to those who have not shown sufficient knowledge of the subject or subjects in which they failed to justify the examiners in making a favorable recommendation. Conditioned students can obtain full undergraduate standing by passing at a subsequent June or September matriculation examination in the subject or subjects in which they failed, and will not be permitted to enter the second year of their course of study until they have satisfied all matriculation requirements.

8. When two or more books or subjects are prescribed for one examination it is necessary to pass in each.

9. A candidate in order to pass must obtain at least 40 per cent. of the total number of marks allowed for each subject.

10. In view of the precautions taken to prevent mistakes, no request for the re-examination of a paper shall be granted except on payment of a fee of one dollar. Should the appeal from the examiner's valuation be sustained the fee will be returned.

11. Certificates of having passed the following examinations will, if submitted to the Registrar, be accepted *pro tanto* in lieu of the matriculation examination, *i.e.*, in so far as the subjects and standard are, to the satisfaction of the Board of Matriculation examiners, the same as or equivalent to those required for the matriculation examination of this University. Candidates offering certificates which are not a full equivalent will be required to pass the matriculation examination in such of the required subjects as are not covered thereby:—

Province of Quebec.

The University School Preliminary Examination and the Departmental Examination of Grade I Academy.

The University School Leaving Examination.

The Examination for the Model School Diploma, under certain conditions.

Province of Ontario.

The Junior and Senior Teachers' Certificate Examinations.

Junior and Senior Matriculation Examinations.

Province of New Brunswick.

The Examinations for Superior and Grammar School Licenses.

Province of Nova Scotia.

The Leaving Examinations, Grades XI and XII.

Province of Prince Edward Island.

The Examination for First and Second Class Teachers' Licences.

The Leaving Examination of Prince of Wales College.

Province of British Columbia.

The Junior, Intermediate and Senior Grade Examinations.

Newfoundland.

The Intermediate and Associate Grade Examinations.

Alberta and Saskatchewan.

The Departmental Examinations for Standards VII. and VIII.

Great Britain.

The Local Examinations of the leading universities, and the Leaving Examinations of the Scotch Education Department.

Applications for exemptions from the matriculation examination, based upon certificates of having passed examinations other than those above mentioned, will be considered as occasion may require by the Board of Matriculation Examiners. Every such application must be accompanied by certificates and full particulars, and should be addressed to the Registrar.

II. Fees.

See page 51.

III. Subjects of Examination.

FACULTY OF ARTS.

For candidates intending to take the B.A. course.

PRELIMINARY DIVISION.

(*See Regulation* 4, *page* 14.)

English Composition and Dictation.
English Grammar.
History and Geography.
Arithmetic.

FINAL DIVISION.

1. English Literature.
2. Latin *or* Greek.
3. One of the following:
   Greek *or* Latin (the one not already chosen), French, German.
4. Algebra, Part I.
5. Geometry, Part I.
6. One of the following:
   Physiography, Botan , Chemistry, Physics, a Language not already chosen.

For candidates intending to take the B.Sc. Course in Arts:—

PRELIMINARY DIVISION.

As above.

FINAL DIVISION.

1. English Literature.
2. French.
3. German.
4. Algebra, Part I.
5. Geometry, Part I.
6. One of the following:
   Physiography, Botany, Chemistry, Physics, Latin, Greek.

For candidates entering on the Course for the Diploma of Commerce.

One of the following examinations:—

(1) The ordinary Matriculation Examination for the B.A. Course.

(2) The ordinary Matriculation Examination for the B.Sc. Course.

(3) An examination consisting of

(*a*) The *Preliminary* subjects of the present Matriculation Examination and

(*b*) The following *Final* subjects, viz.:

English Literature.
French, including oral examination (pass standard 50 per cent.)
Algebra, Part I.
Geometry, Part I.
One of the following, viz:
Physiography, Botany, Chemistry, Physics.

Candidates who intend ultimately to proceed to the study of Medicine are reminded that for Medical Registration it is necessary to take Latin.

Holders of Model School diplomas who are certified by the Head of the School of Education of Macdonald College to have taken 75 per cent. of the total marks at their final examinations, with not less than 50 per cent. of the marks in (1) Mathematics, (2) French, and (3) Latin or Greek, respectively, will be admitted without further examination as undergraduates of the First Year in Arts.

Nine Exhibitions, ranging in value from $100 to $200 each, will be awarded on the result of the Matriculation Examination for entrance to the Faculty of Arts on the subjects of the Final Division, in June, 1908; and five, each of the value of $150, and three Scholarships of the annual value of $150 each, tenable for two years, will be awarded on the result of an examination on the subjects required for matriculation, together with additional work. Full particulars are given on pages 31 to 34.

In addition to the above, two Exhibitions of the value of $50.00 each, tenable for one year, will be awarded in 1907 to the two candidates who take the highest standing in the Matriculation Examination for entrance on the Course for the Diploma of Commerce.

FACULTY OF APPLIED SCIENCE.

For all courses leading to the degree of B.Sc., in Applied Science.

PRELIMINARY DIVISION.

(*See Regulation* 4, *page* 14.)

English Composition and Dictation.
English Grammar.
History and Geography.
Arithmetic.

FINAL DIVISION.

1. **English Literature.**
2. One of the following:
   French, German, Latin, Greek.
3. **Algebra, Parts I. and II.**
4. **Geometry, Parts I. and II.**
5. **Trigonometry.**
6. One of the following:
   Physiography, Botany, Chemistry, Physics, a **Language** not already chosen.

For the course leading to the degree of B.Arch.

PRELIMINARY DIVISION.

As above.

FINAL DIVISION.

1. **English Literature.**
2. **French.**
3. One of the following:
   Greek, Latin, German, Physiography, Botany, Chemistry, Physics.
4. **Algebra, Part I.**
5. **Geometry, Part I.**
6. **Freehand and Geometrical Drawing.**

French-speaking candidates for matriculation in this Faculty will be allowed to take examinations in French equivalent to those required in English. (For particulars, see p. 25.)

The Canadian Railway Club has established a Scholarship, to be competed for by the sons of members of the club, and to be awarded to that one who obtains the highest standing at the Matriculation Examination for entrance on the B.Sc. course in Applied Science.

FACULTY OF MEDICINE.

PRELIMINARY DIVISION.

(*See Regulation* 4, *page* 14.)

English Composition and Dictation.
English Grammar.
History and Geography.
Arithmetic.

FINAL DIVISION.

1. **English Literature.**
2. **Latin.**
3. **Algebra, Part I.**
4. **Geometry, Part I.**
5. **Chemistry.**
6. **Physics.**
7. One of the following:
   Greek, French, German.

In addition to the certificates mentioned on page 15, the following are accepted in lieu of the Matriculation Examination for entrance in Medicine, provided they cover Latin:

The degree of Bachelor of Arts obtained from any recognized university.

A certificate of having passed the examination of a Provincial Medical Council.

In the case of candidates from the United States, a certificate of having passed a State or University examination fully equivalent to the Matriculation Examination required for entrance in this University.

The examination requirements for those who intend to practise medicine in any of the Provinces of Canada will be learned by corresponding with the Registrars of the several Provincial Medical Councils. (For names and addresses see page 226).

FACULTY OF LAW.

PRELIMINARY DIVISION.

(*See Regulation* 4, *page* 14.)

English Composition and Dictation.
English Grammar.
History and Geography.
Arithmetic.

FINAL DIVISION.

1. **English Literature.**
2. **Latin.**
3. **French.**
4. **Algebra, Part I.**
5. **Geometry, Part I.**
6. One of the following:

Physiography, Botany, Chemistry, Physics, Greek, German.

Candidates must reach a high standard in Latin and French.

In addition to those who qualify on certificates mentioned on page 15, Bachelors of Arts, Science, or Letters of any Canadian or British University (see R.S.Q., 3503*a*) are admitted without examination.

No candidate domiciled in the Province of Quebec shall be admitted as an undergraduate in the Faculty of Law who shall not, in addition to other matriculation requirements, possess an adequate knowledge of French. Every candidate for admission as an undergraduate, whether

exempt from the matriculation examination or not, shall be specially examined in this subject by an examiner appointed by Corporation, on the recommendation of the Matriculation Board, before being allowed to enter, and shall not be considered to possess an adequate knowledge unless he can speak the language with fair fluency and can translate with ease a passage of English into French.

Candidates who intend to practise law or to be admitted to the notarial profession in the Province of Quebec are referred to the Statutory requirements, as shown on pages 221-224, under Faculty of Law. If they are not graduates they should pass the examination for admission to study required by the Council of the Bar or by the Board of Notaries, as the case may be, before seeking to matriculate. In that case they will be matriculated without examination.

IV. Requirements in each Subject.

PRELIMINARY DIVISION.

English Composition and Dictation.

For Composition.—Candidates will write a short essay on a subject to be given at the time of the examination.

English Grammar.

Main facts in connection with the history of the language; Etymology and Syntax. A good knowledge of Parsing and Analysis is essential. West's English Grammar for Beginners is recommended as a text-book.

History and Geography.

Candidates will be required to show a somewhat intimate acquaintance with the history of England, from 1485 to the present time. While any text-book written for the upper forms of schools may be used in preparation for the examination, Gardiner's Outline of English History (Longmans) is recommended.

The Geography required will be that relating to the History prescribed.

Arithmetic.

All the ordinary rules, including Square Root, and a knowledge of the Metric System.

FINAL DIVISION.

English Composition and Literature.

Composition.—As in Sykes's Elementary Composition, with an essay on some subject connected with the works prescribed in Literature. Frequent practice in composition is essential.

Literature.

1907 and 1908. — Any two of the following: — Shakespere's Merchant of Venice; Nineteenth Century Prose (ed. Cunliffe), pp. 1-126, with notes (Copp, Clark Co.); Poems of the Romantic Revival (Copp, Clark Co.), pages 1 to 82 with notes.

An alternative paper will be set on the work specified in English for the Junior Matriculation examination of the Province of Ontario.

Greek.

For 1907:—

Grammar, Composition and Translation at Sight. — The composition will consist of sentences and easy narrative based upon the prescribed texts.

Texts.—(translation and grammatical study):—

Xenophon, Anabasis I (as in White's Beginners' Greek Book, pp. 304-428), or Xenophon, Anabasis II.

For 1908:—

Texts.—Xenophon, Anabasis, Book I, Chaps. 1 to 8, *or* Farnell's "Tales from Herodotus" (Macmillan's Elementary Classics), Chaps. VIII to XVI.

Grammar.— Knowledge of Grammar will be tested by translation and composition, and by grammatical questions based on the specified texts.

Translation at Sight from Greek into English.

Composition.—Translation into Greek of detached English sentences and easy narrative based on the prescribed texts.

In 1908 two papers will be set:—(1) Translation at Sight and Composition; (2) Translation from and grammatical and other questions based on the prescribed texts. No candidate will be allowed to pass who fails on paper (1).

Alternative questions will be set on the work prescribed in Greek for the Junior Matriculation examination of the Province of Ontario, if this differs from that specified above.

At the September examination other texts equivalent to those specified may be accepted, if application be made to the Registrar at least one month before the date of the examination.

Latin.

For 1907:—

Grammar, Composition and Translation at Sight.—The composition will consist of sentences and easy narrative based upon the prescribed texts.

Texts.—(Translation and grammatical study):—

Cornelius Nepos, Lives of Themistocles and Aristides (Wilkinson, in Macmillan's Elementary Classics); Caesar, De Bello Gallico, Bks. IV and V; Ovid, Stories from the Metamorphoses (as in Gleason's "A Term of Ovid," pages 54 to the end, American Book Company).

For 1908:—

Texts.—Caesar, De Bello Gallico, Book IV, Chap. 20, to the end of Book V; Ovid, Stories from the Metmorphoses (as in Gleason's "A Term of Ovid," lines 1 to 670, American Book Company).

Grammar.—Knowledge of Grammar will be tested by translation and composition, and by grammatical questions based on the specified texts.

Translation at Sight from Latin into English.

Composition.—Translation into Latin of detached English sentences and easy narrative based on the prescribed texts.

In 1908 two papers will be set:—(1) Translation at Sight and Composition; (2) Translation from and gram-

matical and other questions based on the prescribed texts. No candidate will be allowed to pass who fails on paper (1).

Note.—The Roman method of pronouncing Latin is recommended.

An alternative paper will be set on the Latin texts prescribed for the Junior Matriculation examination of the Province of Ontario, if these differ from those specified above.

At the September examination other texts in Latin equivalent to those specified may be accepted, if application be made to the Registrar at least a month before the day of the examination.

French.

For 1907:—

Grammar. — Accidence and Syntax, including translation into French of simple English sentences to test the candidate's familiarity with elementary grammar. No candidate will be allowed to pass who fails in this part of the examination. Books recommended:—Bertenshaw's French Grammar (Longmans), and Cameron's Elements of French Prose Composition (Holt & Co.).

Translation at Sight from French into English. Translation into French of easy English passages.

For 1908:—

Grammar.—A thorough knowledge of French Accidence and of those points of Syntax which are of more frequent occurrence in an ordinary easy style.

Translation at Sight into English of a French passage of moderate difficulty.

Translation at Sight into French of detached English sentences and an easy English passage. Material for such translation is selected with a view to testing the candidate's general knowledge of French Grammar. Candidates are required to pass in English-French translation as well as in the paper as a whole.

Books recommended:—Bertenshaw's French Grammar (Longmans), and Cameron's Elements of French Prose Composition (Holt & Co.).

French-speaking candidates for matriculation in the Faculty of Applied Science will, if they offer French in place of English (see p. 19), be examined in the following:—

French Composition, Dictation, Grammar (Larousse, Grammaire Supérieure).

French Literature: — (Corneille, Le Cid; Racine, Andromaque.)

French History:—(A. Rambaud, Histoire de la Civilisation Française.)

For special regulation re matriculation in Law, see page 20.

German.

For 1907:—

Grammar.—A thorough knowledge of German Accidence and of the more important rules of Syntax.

Translation. — Candidates must be able to translate into German exercises approximately equal in difficulty to those contained in the Joynes-Meissner German Grammar (First Part, and Lessons 46, 47, 57, 58, 59 and 60, of the Third Part), or in the corresponding chapters of Van der Smissen's High School German Grammar.

Texts.—(translation and grammatical study):—

Auf der Sonnenseite (Heath & Co.); Storm, Immensee (Heath & Co.).

For 1908:—

Grammar.—A thorough knowledge of German Accidence and of the syntax of the topics treated in Lessons 46, 47, 57, 58, 59 and 60 of the Joynes-Meissner Grammar, and as presented in the Joynes-Meissner, Van der Smissen, or any other German Grammar of equally good standing.

Translation at Sight into English of a German passage of moderate difficulty.

Translation into German of detached English sentences and of an easy English passage. Material for such translation is selected with a view to exemplifying the points of grammar included within the above limits.

Texts.—(Translation and grammatical study) :—

Auf der Sonnenseite (Heath & Co.) ; Storm, Immensee (Heath & Co.).

The Ontario Junior Matriculation requirements in German will be accepted in place of the texts specified above.

At the September examination other texts equivalent to those specified may be accepted, if application be made to the Registrar at least one month before the date of the examination.

Algebra, Part I.

Elementary rules, Involution, Evolution, Fractions, Indices, Surds, Simple and Quadratic Equations of one or more unknown quantities; as in Hall and Knight's Elementary Algebra to end of Surds (omitting portions marked with an asterisk), or as in similar text-books.

Algebra, Part II.

The three Progressions, Ratio, Proportion, Variation, Permutations and Combinations, Binomial Theorem, Logarithms, Theory of Quadratic Equations, as in the remainder of Hall and Knight's Elementary Algebra (omitting Chaps. 40 to 43 inclusive), or as in similar text-books.

Geometry, Part I.

Euclid's Elements, Books I, II, III, with easy deductions; or an equivalent.

An alternative paper will be set on the Ontario Junior Matriculation requirements in this subject.

Geometry, Part II.

Euclid's Elements, Books IV and VI, with definitions of Book V, and easy deductions; or an equivalent.

Trigonometry.

Measurement of angles, trigonometrical ratios or functions of one angle, of two angles and of a multiple angle; as in Lock's Elementary Trigonometry, Chaps. I to XII, Hall and Knight's Trigonometry, Chaps. I to IV and VII to XII, all inclusive; or as in similar text-books.

Physiography.

The elements of the science, as in Davis's Elementary Physical Geography, or any other text-book covering the same ground.

Botany.

For 1907:—

As in Groom's Elementary Botany.

Candidates will be given extra credit for plant collections of a maximum of 25 species each. They will use Penhallow's Guide to the Collection of Plants and Blanks for Plant Descriptions.

The collections will be returned, if desired, at the expense of the school or individuals to whom they belong.

Any plant of the same family may be substituted for any one of those specified in Part II of Groom's Elementary Botany, according to the requirements of the locality.

For 1908:—

Text-book to be selected.

Chemistry.

Elementary Inorganic Chemistry, comprising the preparation and properties of the chief non-metallic elements and their more important compounds, the laws of chemical action, combining weight, etc. The ground is simply and effectively covered by Remsen's "Elements of Chemistry," pp. 1 to 165 (Macmillan's Edition).

Physics.

Properties of matter; elementary mechanics of solids and fluids, including the laws of motion, simple machines, work, energy; fluid pressure and specific gravity; thermometry, the effects and modes of transmission of heat.

Text-book recommended — Gage's Introduction to Physical Science, 1902 edition (Ginn & Co.), Chaps. I to IV inclusive).

V. Dates of the Examinations.

The examinations in 1907 will commence on Wednesday, June 12th and on Monday, September 9th. Special arrangements may be made for the examination of candidates who are prevented by severe illness or domestic affliction from presenting themselves on the dates fixed.

For the September Time Table, see first part of Calendar.

Entrance to Second Year.

Admission to the Second Year in Arts is open, as a rule, only to undergraduates who have passed the First Year Sessional Examinations in regular course, but in special cases, to be dealt with by the Faculty, candidates may be admitted directly to the Second Year without having passed through the curriculum of the First Year.

Admission Ad Eundem Statum.

Any student of another university wishing to be admitted to this University with equivalent standing, is requested to send with his application:—

1st.—A calendar of the University in which he has studied, giving a full statement of the courses of study.

2nd.—A complete statement of the course he has followed.

3rd.—A certificate of the standing gained, and of conduct.

These will be submitted to the Faculty in which he desires to register.

The Faculty, if otherwise satisfied, will decide what examination, if any, or what conditions may be necessary before admitting the candidate.

EXHIBITIONS AND SCHOLARSHIPS.

SCHOLARSHIPS.—GENERAL.

1. *The Rhodes Scholarships.* — A Rhodes Scholar will be elected by McGill University in 1908 and again in 1911.

This scholarship is of the annual value of £300 sterling and is tenable at the University of Oxford for three years. The Scholar must be a British subject, must be over 19 and under 25 years of age and must have reached at least the end of his sophomore or second year in the University.

Rhodes Scholarships have been awarded as follows:—1904, Herbert J. Rose, B.A., and John G. Archibald, B.A.; 1905, Talbot M. Papineau, B.A.; 1906, Alexander R. McLeod, B.A.

2. *Science Scholarships granted by Her Majesty's Commissioners for the Exhibition of* 1851.—These scholarships of the value of £150 sterling a year are tenable for two, or, in rare instances, three years. They are limited, according to the Report of the Commission, "to those branches of Science such as Physics, Mechanics and Chemistry, the extension of which is specially important for our national industries." Their object is not to facilitate ordinary collegiate studies, but "to enable students to continue the prosecution of science with the view of aiding in its advance or in its application to the industries of the country."

It is open to students of not less than three years' standing who have shown evidence of capacity for original research, and is tenable at any university or at any other institution approved by the Commission.

A nomination to one of these Scholarships may be granted to McGill University in 1909, in which event applications should be sent in to the Registrar on or before March 1st.

This Scholarship has been awarded as follows:—

Evans, P. N., 1891; Macphail, J. A., 1893; King, R. O., 1895; Gill, J. L. W., 1897; McLean, W. B., 1899; McClung, R. K., 1901; Cooke, H. Lester, 1903; Johnson, F. M. G., 1905; Simpson, J. C., 1907.

3. *The Dr. T. Sterry Hunt Research Scholarship in Chemistry.*—It is proposed to offer this scholarship each year to graduate students in the Faculties of Arts and Applied Science.

EXHIBITIONS AND SCHOLARSHIPS IN ARTS.

GENERAL REGULATIONS.

1. No student can hold more than one exhibition or scholarship at the same time.

2. Exhibitions and scholarships will not necessarily be awarded to the candidates who have obtained the highest marks. An adequate standard of merit will be required.

3. If in any college year there be not a sufficient number of candidates showing adequate merit, any one or more of the exhibitions or scholarships offered for competition may be given to more deserving candidates in another year.

4. A successful candidate must, in order to retain his scholarship or exhibition, proceed regularly with his college course to the satisfaction of the Faculty.

5. The annual income of the scholarships or exhibitions will be paid in four instalments, viz.:—In October, December, February and April, about the 20th day of each month.

EXHIBITIONS AVAILABLE IN ARTS.

The Jane Redpath Exhibition, founded by the late Mrs. Redpath, of Terrace Bank, Montreal:—value, about $90, open to both men and women.

Two Sir William Dawson Exhibitions, given by the New York Graduates' Society:—value, one $62, and the other $60.

Ten Macdonald Scholarships and Exhibitions, founded by Sir W. C. Macdonald, Montreal:—value $125 to $150 each.

The Charles Alexander Scholarship (for men students), founded by the late Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects:—value $90.

The Major H. Mills Scholarship, founded by bequest of the late Major Hiram Mills:—value $100.

The Barbara Scott Scholarship, founded by the late Miss Barbara Scott, Montreal, for the encouragement of the study

of the Classical languages and literature: — value $100 to $120.

The Mackenzie Scholarship for Economics and Political Science, founded in memory of the late Hon. Alexander Mackenzie:—value $150.

The P. S. Ross Exhibition, for competition in the Commercial Course, founded by Mr. P. D. Ross, in memory of his late father, P. S. Ross:—value $100.

The Rev. Samuel Massey Exhibitions, founded by Mr. George Massey, in memory of his late father, Rev. Samuel Massey:—Two, of the value of $62.50 each.

FIRST YEAR EXHIBITIONS IN ARTS.

The following Exhibitions and Scholarships * will be offered for competition in June, 1908, to candidates for admission to the first year:—

(1) *Matriculation Exhibitions.*

Five for the B.A. Course and two for the B.Sc. Course, in Arts, open to both men and women, of the value of $100 each; and two, open to women only and conditional on residence in the Royal Victoria College, one of $200 and one of $100.

These exhibitions will be awarded for general proficiency on the results of the matriculation examination, in the subjects of the Final Division. (For which see page 17).

For the Matriculation Exhibitions the value attached to each subject is as follows:—

Language subjects....	100 Marks.
Mathematical subjects..	100 "
English	75 "
Science subjects..	50 "

Two exhibitions of the value of $50.00 each, tenable for one year—and known as the P. S. Ross Exhibitions—will be awarded in 1907 to the two candidates who stand highest in the matriculation examination for entrance to the Course for the Diploma of Commerce.

For subjects of examination, see page 17.

* A Scholarship is ordinarily tenable for *two* years; an Exhibition for *one* year.

(2) *Advanced Exhibitions.*

Five exhibitions of the value of $150 each, and three scholarships, tenable for two years, of the value of $150 each per year.

These exhibitions and scholarships will be awarded on the result of an examination on any three of the following subjects; provided, however, that no award will be made to a candidate who has not obtained first-class standing at the University matriculation examination or at an examination which is accepted as its equivalent: English, Latin, Greek, French, German, Mathematics.

The scholarships shall be awarded to the three candidates (otherwise qualified) who take the highest standing in the examination, and the tenure of the scholarship for the second year shall be contingent on the holder obtaining a first-class standing in the sessional examinations of the first year, or, in the case of those who obtain first-class in an Advanced Course, a standing of not lower than second class in any subject.

One or more additional Advanced Exhibitions may be awarded in case the number of candidates who attain a sufficiently high standard for Scholarships is less than three.

Every candidate for a First Year Exhibition or Scholarship shall, on application for examination, sign a declaration to the effect that he intends to proceed to a degree in Arts in this University. Blank forms of application, to be obtained from the Registrar, must be filled out and returned before the first of May preceding the examination.

The subjects for the Advanced Exhibitions are of equal value.

Details of the Requirements in each subject.

The details, for 1908 and 1909, of the work in the subjects for Advanced Exhibitions (any three of which may be chosen, as stated above) are as follows:—

English.

Grammar.—An advanced knowledge of this subject will be required, and, in addition, some acquaintance with the his-

torical development of English as illustrated in common and important words. The candidate is recommended to read Mason's or West's Elements of English Grammar, and expected to supplement Mason or West by using Morris's Historical Outlines of English Accidence (Macmillan & Co.) as a book of reference.

Literature, 1908 *and* 1909.—Poems of the Romantic Revival (Copp, Clark Co.), pp. 83-200, with Introduction and Notes; Macaulay, Essays on Byron, Warren Hastings, Clive.

Composition.—The candidate will be required to write an essay on some subject connected with the examination.

Latin.

Grammar; Translation at Sight; Prose Composition.

Translation from and questions on the following texts:—

1908.—Horace, Odes, Book I; Livy, Book II, chaps. 1 to 33.

1909.—Virgil, Aeneid, Book II; Cicero, in Catilinam I and II.

Candidates will have the option of taking an additional paper in Composition and Translation at Sight instead of that on the prescribed texts.

Greek.

Grammar; Translation at Sight; Prose Composition.

Translation from and questions on the following texts:—

1908.—Homer, Odyssey IX; Thucydides I, chaps. 89 to 118.

1909.—Homer, Iliad VI, and Lucian, Charon.

Candidates who do not offer the books prescribed above will have the option of taking an additional paper in Composition and Translation at Sight.

French.

(*a*) Grammar, including Syntax; (*b*) Translation at sight of French into English; (*c*) Translation at sight of easy English prose passages into French; (*d*) Translation from the following texts:—

1908 and 1909.—Augier, Le Gendre de M. Poirier (Heath & Co.); De Vigny, La Canne de Jonc (Heath & Co.); Sand, La Mare au Diable (Ginn & Co.).

German.

(*a*) Grammar.—Accidence and Syntax; (*b*) Translation at sight from German into English; (*c*) Translation at sight into German of an easy passage of English prose; (*d*) Translation and grammatical study of the following texts:—

1908 and 1909.—Fouqué, Undine (Holt); Chamisso, Peter Schlemihl (Holt); Keller, Kleider machen Leute (Heath).

Mathematics.

Geometry.—Euclid's Elements, Books IV and VI, with definitions of Book V, and easy deductions.

Algebra.—The three Progressions, Ratio, Proportion, Variation, Permutations and Combinations, Binomial Theorem, Logarithms, Theory of Quadratic Equations, as in Hall & Knight's Elementary Algebra (omitting Chapters 40-43 inclusive), or as in similar text-books.

Trigonometry. — Measurement of angles, trigonometrical ratios or functions of one angle, of two angles and of a multiple angle, as in Lock's Elementary Trigonometry, Chapters I-XII; Hall & Knight's Trigonometry, Chaps. I to IV and VII to XII, all inclusive; or as in similar text-books.

In addition to the above first year exhibitions, three bursaries, of the value of $60 each, are offered annually in the Faculty of Arts to the three teachers-in-training of the School of Education of Macdonald College (1) who have satisfied the requirements for entrance to this Faculty, and (2) who, of all those applying for these bursaries, stand highest in their final examination for the Model School Diploma.

SECOND YEAR EXHIBITIONS.*

Six Exhibitions, ranging in value from $100 to $150 each, will be offered for competition to students entering the second year, in September, 1907:—

The subjects of examination are divided into two groups as follows:—

Group I.—Greek, Latin, French, German, English.

Group II.—Mathematics, Physics.

* Second Year Exhibitions are open to students who have passed the first year sessional examinations, provided that not more than two sessions have elapsed since their matriculation; and also to candidates for entrance into the second year. The second year exhibition examination will, for candidates who have not previously entered the University, be regarded as a matriculation examination, *pro tanto*.

Candidates are required to offer two major subjects and one minor subject. The two major subjects must be selected from the same group, the minor subject from either group, the examination in the major subject being more extensive than that in the same subject presented as a minor subject. Two Exhibitions of $150 each and two of $100 each are offered to candidates taking their major subjects from Group I, and one Exhibition of $150 and one of $100 to candidates taking their major subjects from Group II.

The above Exhibitions are open to all undergraduates in Arts, whether they are taking the B.A. or the B.Sc. course.

In 1908 an Exhibition, of the value of $50.00, to be known as the P. S. Ross Exhibition, will be awarded to the student entering the second year of the Commercial Course who takes the highest standing at the sessional examinations of the First Year.

Requirements in each Subject.

Greek.

(*As a Major Subject.*)

For 1907:—

I. (*a*) Lucian, Menippus and Timon (Mackie, Pitt Press).
(*b*) Cebetis Tabula (Jerram, Clarendon Press).
(*c*) Euripides, Heraclidæ (Jerram, Clarendon Press).

II. Composition and Translation at Sight.

III. History:—Morey's "Outlines of Greek History with a Survey of Ancient Oriental Nations" (American Book Company).

For 1908:—

I. (*a*) Plato, Apologia (Adam, Pitt Press).
(*b*) Euripides, Hecuba (Hadley, Pitt Press).

II. As in 1907.

III. As in 1907.

(*As a Minor Subject for* 1907.)

The same as above, omitting I *c*. and III.

(*As a Minor Subject for* 1908.)

The same as above, omitting I (*b*) and III.

Latin.

(As a Major Subject).

For 1907:—

I. (*a*) Virgil, Eclogues, omitting II and III (Sidgwick, Pitt Press).

(*b*) Tacitus, Agricola (Pearce, Bell).

(*c*) Ovid, Metamorphoses XIII, lines 1 to 729 (Simmons, Macmillan).

II. Composition and Translation at Sight.

III. Roman History:—From the First Punic War to the death of Sulla.

For 1908:—

I. (*a*) Cicero, pro Roscio Amérino (Stock, Clarendon Press).

(*b*) Virgil, Bucolica (Sidgwick, Pitt Press), omitting the 2nd and 3rd Eclogues.

II. As in 1907.

III. As in 1907.

(As a Minor Subject for 1907.)

The same as above, omitting I *c* and III.

(As a Minor Subject for 1908.)

The same as above, omitting I (*b*) and III.

French.

(As a Major Subject).

(*a*) Grammar; (*b*) translation at sight of an English passage into French; (*c*) French Composition on a prescribed subject; (*d*) a critical study of the following texts, tested by questions in the French language to be answered in French:—

For 1907 and 1908.—Corneille, Cinna (Holt); Molière, Le Malade Imaginaire (Macmillan); Daudet, Tartarin de Tarascon (American Book Co.); Thiers, Expédition de Bonaparte en Egypte (Holt); Ohnet, La Fille du Député (Holt).

(*As a Minor Subject for* 1907 *and* 1908.)

The same as above, omitting Cinna and Tartarin de Tarascon.

German.

(*As a Major Subject.*)

(*a*) Grammar; (*b*) translation at sight from German into English, and from English into German; (*c*) the lives of Lessing and Schiller and a critical study of the following texts:—

For 1907 and 1908.—Schiller, Die Piccolomini (Pitt Press) and Der Geisterseher (Heath); Kleist, Michael Kohlhaas (Holt); Fulda, Talisman (Heath).

(*As a Minor Subject for* 1907 *and* 1908.)

The same as above, omitting Die Piccolomini and Der Geisterseher.

English.

(*As a Major Subject.*)

Literature.—Shakspere, Julius Cæsar (ed. Deighton, Macmillan); Milton, Comus (ed. Bell, Macmillan); Johnson, Lives of Dryden and Pope (ed. Milnes, Clarendon Press Series).

History.—Church, Middle Ages.

(*As a Minor Subject.*)

The same as above, omitting Comus and Lives of Dryden and Pope.

Mathematics.

(*As a Major Subject.*)

Plane Geometry.—Ordinary and advanced section courses of the first year.

Algebra.—Selected course from Chaps. I-XXXII of Hall and Knight's Higher Algebra.

Theory of Equations.—Selected course from Burnside and Panton.

Plane and Spherical Trigonometry.—As in the ordinary and advanced courses of the first year.

(As a Minor Subject.)

The Mathematics of the first year ordinary course.

Physics.

As in Carhart and Chute.

THIRD YEAR SCHOLARSHIPS.*

The following seven Scholarships, of the annual value of $150 each, will be open for competition to students entering the third year in September, 1907:—

One for English and another language.

One for Latin or Greek and another language † (English excepted).

One for French or German and another language † (English excepted).

Two for Mathematics and Physics.

One for Biology and Psychology.‡

One in Economics.

In the event of no candidate of sufficient merit presenting himself, the scholarship assigned to any group of subjects may, at the discretion of the Faculty, be awarded in another group, whether a scholarship has been already assigned to that group or not.

Of the two Third Year Scholarships assigned to Mathematics and Physics, one is open to women only, the other to men only. Should, however, no candidate be eligible for the scholarship open to men only, it may be awarded to a woman.

In the award of Third Year Scholarships, the second year standing of candidates, in the subjects selected, will be taken into account.

Mackenzie Scholarship. — The holder of the scholarship in Economics is required to proceed with the work of the Honour Course in Economics and History, course B (see page 83).

* Third Year Scholarships are open to students who have passed the second year sessional examination, provided that not more than three sessions have elapsed since their matriculation; and also to candidates who have obtained what the Faculty may deem equivalent standing in some other university, provided that application be made before the end of the session preceding the examination. Double course students (Arts and Applied Science or Arts and Medicine) are not eligible for these Scholarships.

† The language not chosen in the first instance may be taken as the second language.

‡ In September, 1908, this Scholarship will be awarded for Chemistry and Physics.

Requirements in each Subject.

Greek.

Prose Composition; Translation at Sight; questions on Greek Language, Literature and History.

Latin.

Prose Composition; Translation at Sight; questions on Latin Language and Literature and Roman History.

English and History.

Literature. Shakspere, Tempest, ed. Deighton (Macmillan); Milton, Paradise Lost, Books I and II, ed. Macmillan (Macmillan); Burke, On Conciliation with America, ed. Cook, (Longmans); Arnold, Essays in Criticism, Second Series (Macmillan's Colonial Library). *History.*—Robinson, Introduction to the History of Western Europe (Ginn & Co.). *Composition.*—The candidate will be required to write an essay on some subject connected with the literature or history prescribed. High marks will be given for this subject.

Hebrew.

Deuteronomy, Chaps. I-VII (Driver's Deuteronomy in International Commentary Series); also the record of the Call of the Prophets Isaiah, Jeremiah and Ezekiel, *i.e.*, Is.: VI; Jer.: I, and Ezek.: I. Papers will also be set on easy prose composition, pointing, sight translation and miscellaneous questions.

French.

(*a*) Composition; (*b*) translation at sight from French into English; (*c*) questions on the subject matter of the following texts, the lives of their authors and the periods they represent:—

For 1907 and 1908. — Molière, Le Médecin malgré lui (Heath); Racine, Phèdre (Heath); Hugo, Quatre-vingt-treize (Ginn) and Les Misérables (Heath); Taine, Introduction à l'Histoire de la Littérature Anglaise (Heath); Rostand, Cyrano de Bergerac (Holt).

The entire examination will be held in the French language.

German.

(*a*) Composition; (*b*) translation at sight from German into English; (*c*) questions on the subject matter of the following texts, the lives of their authors and the periods they represent:—

For 1907 and 1908. — Goethe, Dichtung und Wahrheit (Heath); Schiller, Das Lied von der Glocke (Holt) and Wallenstein's Lager (Holt); Eichendorff, Aus dem Leben eines Taugenichts (Holt); Heine, Prose Selections (Macmillan); Immermann, Der Oberhof (Pitt Press).

Mathematics and Physics.

Mathematics.

Differential and Integral Calculus. — Lamb's Infinitesimal Calculus and Chandler's Calculus.

Analytic Geometry.—C. Smith's Conic Sections.

Higher Trigonometry.—Lock's Higher Trigonometry.

Algebra. — Determinants as in Burnside and Panton's Theory of Equations.

Physics.

Electricity and Magnetism.—S. P. Thompson.

Biology and Psychology.

Biology.—Verworn, General Physiology; Morgan, Evolution and Adaptation.

Psychology.—James's Psychology, Briefer Course, pp. 1 to 334, omitting Chaps. 7 and 14.

Economics.

Chisholm, Handbook of Commercial Geography (Fourth Edition), pp. 1 to 225; Hatfield, Lectures on Commerce; Dunbar, Theory and History of Banking; Schloss, Methods of Industrial Remuneration; Drage, Trade Unions.

EXHIBITIONS AND PRIZES IN APPLIED SCIENCE.

1. *Awarded on result of special Examinations*

1. A British Association Exhibition of $50.00 and prize of $25.00, to students entering the fourth year, the subjects of examination being the Mathematics and Theory of Structures of the ordinary course.

2. Three prizes of $25.00, $15.00 and $10.00, to students entering the third year, the subject of examination being the Mathematics of the second year.

3. A Scott Exhibition of $50.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and two prizes of $25.00 and $15.00, to students entering the second year, the subjects of examination being:—

(*a*) English Literature (summer vacation work); (*b*) Mathematics of the first year; (c) Descriptive Geometry of the first year.

4. Two prizes, each of $10.00, presented by J. M. McCarthy, Esq., B.A.Sc., to students entering the third year, for proficiency in Levelling and Transit Work.

Students are required to notify the Dean of their intention to compete for any of the above, at least one week before the commencement of the examination.

5. A scholarship of the value of $200 per annum, established by the Canadian Railway Club, to be awarded to the son of a member of the Club who obtains the highest standing in the matriculation examination.

2. *Awarded on results of Sessional Examinations or for special theses.*

1. The sum of $150, presented by W. A. Carlyle, Esq., Ma.E., may be awarded in prizes to students of the Mining Course taking the highest positions in the degree examinations of 1908.

2. The Allis-Chalmers Company of Chicago offer several scholarships for excellence in work in the Mining Department. Particulars regarding these scholarships can be obtained from the Professor of Mining.

3. Workshop Prize.—A prize of $20.00, presented by Mr. C. J. Fleet, B.A., B.C.L., for bench and lathe work in the wood-working department, open to students of not more than two terms' standing in workshop practice.

4. A prize of $50.00, presented by Mr. James Tighe, B.A.Sc., for research work in Hydraulics.

5. An exhibition offered to graduates by Mr. A. E. Childs, M.Sc., for a special research on "The flow of gas through pipes under pressure."

6. Summer Work. (*See page* 154). The following prizes are offered for the best summer theses:—

To the students of the Civil Engineering Course, a prize of $25, presented by E. B. Greenshields, Esq., B.A.

To the students of the Electrical Engineering Course, a prize of $25.

To the students of the Mining Engineering Course, a prize of $25 presented by Geo. E. Drummond, Esq.

To the students of the Metallurgical Course, a prize of $25, presented by Milton L. Hersey, Esq., M.A.Sc.

Four prizes, each of the value of $25, are offered for competition to student members of the Canadian Society of Civil Engineers, for the best papers on subjects in any department of engineering. The summer theses prepared by students of this University are available for this competition.

The sum of $50.00 has been voted by the Undergraduates' Society of the Faculty of Applied Science, to be given as prizes for the best papers read before the Society during the session 1907-1908.

For other prizes given in Applied Science, see under Metals and Prizes, page 46.

MEDALS, CERTIFICATES, PRIZES AND HONOURS.

I. IN ARTS.

1. **Gold Medals** will be awarded in the B.A. Honour examinations to students who take the highest honours of the First Rank in the subjects stated below, and who shall have passed creditably the ordinary examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the examiners:—

The Henry Chapman Gold Medal for Classical Languages and Literature.

The Prince of Wales Gold Medal for Mental and Moral Philosophy.

The Anne Molson Gold Medal for Mathematics and Natural Philosophy.

The Shakspere Gold Medal for the English Language and Literature.

The Logan Gold Medal for Geology, Mineralogy and Palæontology.

The Major Hiram Mills Gold Medal for Biology.

The Governor-General's Gold Medal for Modern Languages and Literature.

The regulations for the Governor-General's Gold Medal are as follows:—

(1) The subjects for competition shall be the French and German languages and literature.

(2) The course of study shall extend over two years, viz., the third and fourth years.

(3) The successful candidate must be capable of speaking and writing both languages correctly.

(4) There shall be examinations in the subjects of the course in both the third and fourth years, at which Honours may be awarded to deserving candidates.

(5) The general conditions of competition and the privileges as regards exemptions shall be the same as for the other Gold Medals in the Faculty of Arts.

(6) Students from other Faculties shall be allowed to compete, provided they pass the examinations of the third and fourth years in the above subjects.

(7) Candidates desiring to enter the third year of the course, who have not obtained First-Class Standing at the sessional examinations of the second year in Arts, are required to pass an examination in the work of the first two years of the course in Modern Languages, if called on to do so by the professors.

(8) The subjects of examination shall be those of the Honour Course in Modern Languages.

In addition to the above, certain medals are offered annually by the Alliance Française, at the discretion of the Department of Modern Languages.

If there be no candidate for any medal, or if none of the candidates fulfil the required conditions, the medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes in the subject for which it was intended.

For details of the work prescribed for the several Honour courses, see pages 81-83, and also pages 92-146.

2. **Special Certificates** will be given to those candidates for B.A. who have been placed in the First Class at the ordinary B.A. examination; have obtained three-fourths of the maximum marks in the aggregate of the courses proper to the third and fourth years, are in the First Class in not less than half of these courses, and have no Third Class. At this examination, no candidate who has taken exemptions (see pages 88 to 92) can be placed in the First Class unless he has obtained First Class in the examination in four of the subjects offered (each corresponding to a full course of lectures), and has no Third Class.

3. **Certificates** of High General Standing will be granted to those undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year, are placed in the First Class in not less than half the subjects, and have not more than one Third Class.

4. **Prizes or Certificates** will be given to those undergraduates who have distinguished themselves in the studies

of a particular class, and have attended all the other classes proper to their year.

5. **Graduates** who attend lectures in any subject, and pass the corresponding examination therein, may obtain certificates of their standing, whether the course in question be Ordinary or Honour.

6. **The Neil Stewart Prize.** — An annual prize of $15 is open to all undergraduates and graduates of this University, and also to graduates of any other university, who are students of Theology in some college affiliated to this University. The rules which govern the award of this prize are as follows:—

(1) The candidate selected for the Prize shall have passed a thorough examination in (1) Hebrew Grammar, Syntax, easy composition, pointing, and miscellaneous questions: (2) Translation from Hebrew into English, both prepared and unprepared. [The Hebrew texts prescribed for the present year as in Ordinary Hebrew Course A, 1 (a) and (b).]

(2) Three papers will be set of three hours each:—One on Pointing and Translation (with lexical and grammatical notes); one on grammar and composition; and one on miscellaneous questions.

(3) Credit will be given to candidates showing a knowledge of Biblical Aramaic, and Rabbinic, provided the work done on classical Hebrew be thoroughly up to Scholarship standard. Special application should be made for a paper on these subjects.

(4) Should no candidate's work be up to the Scholarship standard the Prize will be withheld, and a prize of $30 will be offered in the following year for the same.

This Prize, founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the late Neil Stewart, Esq., of Vankleek Hill.

7. **Early English Text Society's Prize.** — This prize, the annual gift of the Early English Text Society, will be awarded for proficiency in the subjects of the language group in the English Honour curriculum of the third and fourth years.

8. **New Shakspere Society's Prize.** — This prize, the annual gift of the New Shakspere Society, open to graduates and undergraduates, will be awarded for a critical knowledge of the following plays of Shakspere:—Hamlet, Macbeth, Othello, King Lear.

9. **Charles G. Coster Memorial Prize.** — This prize, intended as a tribute to the memory of the late Rev. Chas.

G. Coster, M.A., Ph.D., Principal of the Grammar School, St. John, N.B., is offered for competition, by Mr. Colin H. Livingstone, B.A., to undergraduates (men and women) from the Maritime Provinces (Nova Scotia, New Brunswick and Prince Edward Island). In 1908, it will be awarded to the student from the above Provinces who, in the opinion of the Professor of English Language and Literature, has written the best essay on the aboriginal Indian tribes who inhabited the territory now embraced in these Provinces, the essay to set forth the geographical distribution of these tribes, the characteristics of their language, worship, customs, manner of conducting war, tribal relationships with western Indian nations, social customs, history since European occupation, and present status and prospects.

10. **Annie McIntosh Prize.** — The income of the sum of $425, subscribed by the pupils and friends of the late Miss Annie M. McIntosh, will be offered as a prize to students of the Royal Victoria College in such subject, or for such work, as the Faculty may determine.

11. The names of those who have taken Honours, Certificates or Prizes will be published in order of merit, with mention, in the case of students of the first and second years, of the schools in which their preliminary education has been received.

II. IN APPLIED SCIENCE.

1. The Governor General's silver medal (the gift of His Excellency The Right Honourable Earl Grey) will be awarded for graduate research work.

2. A British Association medal and prize in books are open for competition to students of the graduating class in each of the eight courses, and, if the examiners so recommend, will be awarded to the student taking the highest position in the final examinations.

The British Association Medals and Exhibition were founded by the British Association for the Advancement of Science, in commemoration of the meeting held in Montreal in the year 1884.

3. A gold medal and two prizes of $35 and $15, offered by the Canadian Mining Institute, will be open for competition to students from McGill University, Toronto University and Queen's University, and will be awarded to the students presenting the best papers on some subjects connected with mining, ore dressing, metallurgy, or economic geology. Preference will be given to those theses which show decided originality.

4. Prizes or Certificates of Merit are given to such students as take the highest place in the sessional and degree examinations. Partial students are not eligible for prizes.

5. Honours.—On graduation, Honours will be awarded for advanced work in professional subjects.

III. IN LAW.

1. The Elizabeth Torrance Gold Medal is awarded to the student who obtains the highest marks in the Final Examinations, provided that his answers are, in the estimation of the Faculty, of sufficient merit to entitle him to this distinction.

2. Various money prizes are awarded to the students of each year who obtain the highest distinction at the examinations held at the close of the session. No prize will, however, be awarded to any student unless a sufficiently high standing is attained.

IV. IN MEDICINE.

1. The **Holmes Gold Medal,** founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, is awarded to the student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who gains the Holmes' Medal has the option of exchanging it for a bronze medal and the money equivalent of the Gold Medal.

2. **The Sutherland Gold Medal**, founded in 1878 by the late Mrs. Sutherland in memory of her late husband, William Sutherland, M.D., formerly Professor of Chemistry in this

Faculty, is awarded for the best examination in general and medical Chemistry, together with creditable examination in the Primary branches. The examination is held at the end of the third year.

3. **The Wood Gold Medal**, founded by Mr. Casey A. Wood, M.D., is awarded to the student of the graduating class who receives the highest aggregate number of marks in the clinical branches of the Final Year.

4. **The Woodruff Gold Medal**, founded by Dr. Thomas A. Woodruff, of Chicago, is awarded to the student of the Final Year who takes the highest standing in Ophthalmology and Oto-Laryngology.

5. **The Final Prize.**—A prize in books (or a microscope of equivalent value) awarded for the best examination, written and oral, in the Final branches. The Holmes' medallist is not permitted to compete for this prize.

6. **The Third Year Prize.**—A prize in books awarded for the best examination, written and oral, in the branches of the third year.

7. **The Second Year Prize.**—A prize in books for the best examination in all the branches of the second year course.

8. **The First Year Prize.**—A prize in books for the best examination in all the branches of the first year course.

REGISTRATION AND ATTENDANCE.

1. Candidates entering on a course of study in any Faculty, whether as undergraduates, conditioned students or partial students, are required to attend at the office of the University Registrar some time during the week preceding the opening day of the Session, for the purpose of filling out in duplicate the usual form of registration, and of signing the following declaration in the Matricula or Register:—

"I hereby accept and submit myself to the statutes, rules, regulations and ordinances of McGill University, and of the Faculty or Faculties in which I am registered, and to any amendments thereto which may be made while I am a student of the University, and I promise to observe the same."

2. On the opening day of the session, or on one of the three preceding days, all students who have not registered under Regulation 1, shall register in such place or places as may be announced by circular and by notices posted in the several buildings.

3. After registering, the student will be given a registration ticket, on presentation of which to the different professors and lectures whose classes he proposes to attend, his name will be entered on the class register. It will not be entered, nor will he be permitted to attend lectures on any other condition.

In the case of students whose standing cannot be determined at the time of registration, special tickets will be issued, which will give them the right of admission to classes until such time as their status is ascertained.

4. Students are required to attend at least seven-eighths of the total number of lectures in any one course. Those whose absences exceed one-eighth of the total number of lectures in a course shall not be permitted to come up for the examination in that course. Each absence from lectures dur-

ing the first three days of the session, or of the second term thereof, shall count as two.

Excuses on the ground of illness or domestic affliction shall be dealt with by the Deans of the respective Faculties.

5. Punctual attendance on all classes is required of each student. Absence from lectures can only be excused by necessity or duty, of which proof must be given to the Faculty. The number of times of absence which shall cause the loss of a session shall in each case be determined by the Faculty.

The following special regulation regarding attendance has been adopted by the Faculties of Arts and Applied Science:—

Lectures shall commence at five minutes after the hour, on the conclusion of the roll-call, and students failing to answer to their names shall be marked "absent," unless they report themselves at the close of the lecture, in which case they shall be marked "late," and given such credit for attendance as the Faculty may deem advisable. Lectures shall end at five minutes before the hour.*

6. A record shall be kept by each Professor or Lecturer, in which the presence or absence of students shall be carefully noted. This record shall be submitted to the Faculty when required.

7. Credit for attendance on any lecture or class may be refused on the grounds of lateness, inattention, neglect of study, or disorderly conduct in the class-room or laboratory. In the case last mentioned, the student may, at the discretion of the Professor, be required to leave the room. Persistence in any of the above offences against discipline shall, after admonition by the Professor, be reported to the Dean of the Faculty concerned. The Dean may, at his discretion, reprimand the student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

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* This regulation has been changed in the case of the Faculty of Applied Science to read as follows:—

Lectures will commence at five minutes after the hour, on the conclusion of the roll-call. After the commencement of a lecture students are not allowed to enter except with the permission of the professor. If permitted to enter they will, on reporting themselves at the close of the lecture, be marked "late," and given such credit for attendance as the Faculty may deem advisable. Lectures end at five minutes before the hour.

FEES.

GENERAL REGULATIONS.

1. Fees shall be paid to the Bursar on or before October 1st. The registration ticket must be shown to the Bursar, in every case, before the fee is paid. After October 1st an additional fee of $2.00 will be exacted of all students in default.

No fees will be refunded to Partial Students under any circumstances whatever.

2. Immediately after October 10th the Bursar shall send to each professor and lecturer a list of the registered students who have not paid their fees, on receipt of which the professor or lecturer shall strike their names from the register of attendance, and such students cannot be re-admitted to their classes except on presentation of a special ticket, signed by the Bursar, certifying to the payment of fees.

Students registering after October 10th shall pay their fees at the time of registration, failing which they become subject to the provisions of Regulation 2.

MATRICULATION FEES.

For the first examination *	$5.00
(For examination at a local centre where not more than two candidates are writing the fee will be determined by the Registrar, provided however, that it shall in no case exceed $12 for each candidate.)	
For a subsequent examination in one or two subjects	2.00
For a subsequent examination in three or more subjects	3.00
For examination of certificates, in respect of which candidates are exempted from the whole of the matriculation examination	1.00

* In the case of candidates who qualify on certificates, or by other examinations, in all but three subjects, or parts of subjects, or less, the fee will be $3.00.

Candidates writing on matriculation papers, with the view of qualifying as partial students in the Faculty of Arts, shall pay a fee of $1.00 per subject.

Matriculation fees must be sent to the University Registrar at the time of application for the examination.

Certificates will be issued to successful candidates without additional fee. Duplicate certificates will not be granted unless satisfactory proof be given of the loss or destruction of the original. The fee for a duplicate certificate is $1.00.

FEES IN ARTS.

(*For Regulations re payment, see page* 51.)

Sessional fee for undergraduates and conditioned students. .... $61.00†
(This includes fees for laboratories, library, gymnasium, athletics and graduation.)

Fees for Partial Students.—(First and Second Years.)—$16 per session for one course‡ and $10 for one half-course‡ of lectures, including the use of the Library; $12 per session for each additional course; $8 per session for each additional half-course. In addition there will be a fee of $3 for Athletics.

Fees for Partial Students.—(Third and Fourth Years.)—$22 per session for one course‡ and $13 for one half-course‡ of lectures, including the use of the Library; $20 per session for each additional course; $11 per session for each additional half-course. In addition there will be a fee of $3 for Athletics.

Partial students taking the full curriculum in any one year pay the same fees as undergraduates in that year.

Graduates in Arts of this University and graduates of other universities attending full courses in affiliated theological colleges are allowed, on payment of one-half of the usual fees, to attend all lectures in the undergraduate course, except those for which a special fee is exigible.

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† At the request of the students themselves and by the authority of Corporation, an additional dollar will be exacted from all undergraduates and conditioned students (men) in the Faculty of Arts, for the support of the Literary and the Undergraduates' Societies of that Faculty.

‡ The lectures and laboratory work, if any, in one subject in any of the four college years constitute a "course," if occupying three hours per week, a "half-course," if occupying less than three hours per week.

Fees for special courses of lectures to teachers, given after 4 p.m.

For one hour per week during the Session*	$ 4.00
For two hours per week during the Session.	7.00
For three or four hours per week during the Session	10.00

For more than three or four hours per week regular partial student rates will be charged.

The fee for athletics and the caution money deposit are not exacted from partial students attending only the courses of lectures included in the Teachers' Syllabus.

Fees for summer classes:—

For one class (Chemistry excepted)	8.00
For each additional class (Physics and Chemistry excepted)	4.00
For Physics	8.00

Special fees:—

Supplemental examination in any subject or any part of a subject taken at the regular date fixed by the Faculty	2.00
Supplemental examination, when granted at any other time than the regular date fixed by the Faculty	5.00

All fees for supplemental examinations must be paid to the Bursar, and the receipts shown to the Dean before the examination.

Fee for the Degree of B.A. or B.Sc. (Arts) conferred in absentia (except when the candidate has been specially exempted by the Faculty)	20.00

Caution Money. — Every student is required to deposit with the Bursar the sum of $5, as caution money, to cover damage done to furniture, apparatus, books, etc. This amount, less deductions (if any), will be returned at the close of the session.

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* Two hours a week for one term is considered as the equivalent of one hour a week for the Session.

FEES IN APPLIED SCIENCE.

(*For Regulations re payment, see page* 51.)

Annual fee for the undergraduate course in Architecture, No. 1 ..... $100.00
Annual fee for all other undergraduate courses 175.00

Students taking the six years' Double Course in the Faculties of Arts and Applied Science shall pay full fees in the Faculty of Arts, and the following fees in the Faculty of Applied Science:

First year $115.00
Second, third and fourth years 175.00

No student can obtain undergraduate standing in any year unless he has already paid the full undergraduate fee for that year.

The fees for partial students are: — $4.00 for Library, $3.00 for Athletics, and a fee at the rate of $6.00 per annum for each hour of instruction per week, but the maximum fee shall in no case exceed the full undergraduate fee.

In addition to the fees specified above every student is required to pay a fee of $1.00 *for the Undergraduates' Society in the Faculty of Applied Science, to be collected with the tuition fees at the office of the Bursar.*

Caution money deposit (for all classes of students). $ 5.00
Fee for Graduates taking a full undergraduate course 150.00

(Graduates of this Faculty will be required to pay only one-half of this amount.)

Fee for the Degree of B.Sc., conferred in absentia (except when the candidate has been specially exempted by the Faculty) $20.00

Fees for Summer classes (First Year).

Mathematics.
For one division of the subject $8.00
For each additional part 4.00
Physics 8.00
Descriptive Geometry, Freehand Drawing and Lettering 25.00
Chemistry, with Laboratory Work (Second Year) 25.00

For supplemental examinations, the fee is $2.00 for each examination period (morning or afternoon). It must be paid to the Bursar of the University not later than the day before the examinations, and receipt for the same must be shown to the Professor in charge before the examination papers are distributed.

The fee for a special supplemental examination is $5.00.

FEES IN MEDICINE.

(*For Regulations re payment, see page* 51.)

First Year.

Class fees	$125.00
Caution money (deposit)*	10.00
Athletics	3.00
	$138.00

Second Year.

Class fees	$125.00
Caution money (deposit)*	10.00
Athletics	3.00
	$138.00

Third Year.

Class fees	$125.00
Caution money (deposit)*	10.00
Hospitals	10.00
Athletics	3.00
	$148.00

Fourth Year.

Class fees	$125.00
Caution money (deposit)*	10.00
Hospitals	10.00
Maternity Hospital (half fee)	6.00
Athletics	3.00
	$154.00

Fifth Year.

Class fees	$125.00
Caution money (deposit)*	10.00
Hospitals	10.00
Maternity Hospital (half fee)	6.00
Athletics	3.00
Fee for the Degree of M.D., C.M.*	30.00
	$184.00

Class fee for students repeating a session $35.00

Repeating students must also pay, in addition to the above, $3 for Athletics and make the usual caution money deposit of $10.

Fee for students from other colleges who have paid full fees there for courses to be taken..... $35.00

These students are also required to pay in addition $3 for Athletics, an ad eundem fee of ten dollars and ten dollars for Hospitals, and to make the usual caution money deposit of ten dollars.

Partial students will be admitted on payment of special fees.

Fee for Supplemental Examination..... $5.00

Fee for the Undergraduates' Society:—

At the request of the students in this Faculty the sum of $1.00 will be collected from each for the Undergraduates' Society at the time of the payment of the sessional fees.

The fee for the regular Graduate Course will vary in proportion to the number of subjects taken. A registration fee of $5.00 will be exacted from each person taking this Course.

Fee for the Course in Public Health, and Diploma.. $50.00

* The Caution money deposit is intended to cover breakages in the different laboratories, etc. The amount of the deposit, less deductions (if any), will be returned at the close of the Session.

† When the Degree is conferred in absentia an additional fee of twenty dollars will be exacted unless the candidate has been specially exempted by the Faculty.

FEES IN LAW.

(*For Regulations re payment, see page* 51.)

Registration Fee	$ 5.00
Sessional Fee (including fee for athletics) for the undergraduate course	60.00
Athletics Fee, payable by partial students	3.00
Graduation fee	*12.50

Fees for partial students:—

For course in Roman Law	$20.00
For each of the following courses:—Successions, Criminal Law, Commercial Law, Obligations, Civil Procedure	15.00
For each of the shorter courses	10.00

Caution Money.—Every student is required to deposit with the Bursar the sum of $5, as caution money, to cover damage done to furniture, loss of books, etc. This amount, less deductions (if any), will be returned at the close of the session.

FEES IN THE GRADUATE SCHOOL.

For course leading to the Degree of M.A. or M.Sc.	$40.00
Graduation fee for M.A. or M.Sc.	20.00
" " " " (*In absentia*)	40.00
" " D.Sc.	80.00
" " D.Litt.	80.00
" " D.C.L.	80.00
" " LL.D. (in course)	80.00
For each year of the course leading to the Degree of Ph.D.	40.00
Graduation fee for Ph.D.	30.00

No fee shall be charged for the Degree of LL.D., granted "honoris causa."

Lecturers, tutors and demonstrators in this University who are proceeding to the degree of Master of Arts, Master of Science, or Doctor of Philosophy, shall be exempt from the tuition fees, but will be required to pay the fee for graduation in every case.

MISCELLANEOUS FEES.

Elocution (optional)	$5.00
Library (optional for students in Medicine; included in sessional fee in the case of all others)	4.00
Gymnasium (optional for undergraduates in Law and Medicine, and also for partial students in all Faculties; included in sessional fee in the case of all others)	2.50
Certificate of standing, as to year of Course	1.00
Certificate of standing, accompanied by a statement of classification in the several subjects of examination.	2.00

All applications for certificates must be addressed to the Registrar of the University, accompanied by the required fee.

No certificates are given for attendance on lectures unless the corresponding examinations have been passed.

DEGREES.

I. ORDINARY DEGREES.

In order to obtain the degrees of B.A., B.Sc., B.Arch., B.C.L., M.D., C.M., and M.D.S., students are required to attend lectures (for length of courses, see pages 4 to 6), to complete the course of study for the degree sought, to pass all the prescribed examinations during the course, and any special examinations for graduation, and to perform such other exercises as may be prescribed to that end.

II. HIGHER DEGREES.

All theses for higher degrees should be sent to the Registrar of the University, or to the Chairman of the Committee on Graduate Studies. No thesis will be received or examination granted until the fee for the Degree has been paid.

Degree of M.A.

Bachelors of Arts of at least one year's standing who, after graduation, shall have taken for one year a Graduate Course of Study in Arts in the University previously submitted to and approved by the Committee on Graduate Studies, shall have passed an examination at the end of the year, shall have presented a satisfactory thesis (the title of which must have been previously approved by the Head of the Department concerned and by the Committee on Graduate Studies) and shall have performed such other exercises as may be prescribed to that end; or Bachelors of Arts of at least two years' standing who shall have presented a satisfactory thesis(the title of which must have been previously approved by the Head of the Department concerned and by the Committee on Graduate Studies), shall have passed a special examination for the Degree, and shall have performed such other exercises as may be

prescribed to that end,— the whole to the satisfaction of the Committee on Graduate Studies and also of any other examiners whom the Corporation may associate with that Committee—shall be entitled to the Degree of Master of Arts.

For detailed regulations regarding the Degree of Master of Arts, see under "Graduate School," page 260.

The fee for the degree is $20; *in absentia*, $40. (In case of failure, the candidate may present himself in a subsequent year without further payment of fees.) The examination will be held in April in McGill College only.

All theses for 1907-8 *must be in the hands of the Chairman of the Committee on Graduate Studies on or before April* 1st, 1908. *No thesis received after this date will be accepted.*

Degree of M. Sc.

Bachelors of Arts, or Bachelors of Science, or Bachelors of Applied Science of at least one year's standing who, after graduation, shall have taken for one year a Graduate Course of Study in the Faculty of Arts, or the Faculty of Applied Science of the University, previously submitted to and approved by the Committee on Graduate Studies, shall have passed an examination at the end of the year, shall have presented a satisfactory thesis (the title of which must have been previously approved by the Head of the Department concerned and by the Committee on Graduate Studies), and shall have performed such other exercises as may be prescribed to that end; or Bachelors of Arts, or Bachelors of Science, or Bachelors of Applied Science of at least two years' standing, who shall have presented a satisfactory thesis (the title of which must have been previously approved by the Head of the Department concerned and by the Committee on Graduate Studies), shall have passed a special examination for the Degree and shall have performed such other exercises as may be prescribed to that end—the whole to the satisfaction of the Committee on Graduate Studies, and also of any other examiners

whom the Corporation may associate with the Committee,—shall be entitled to the Degree of Master of Science. For detailed regulations regarding the Degree of M.Sc., see page 262.

The fee for the Degree is $20.00; in absentia, $40.00.

Degree of D.D.S.

Masters of Dental Surgery who have either presented at any time later than one year after graduation a satisfactory thesis, embodying original research, upon some branch of dental science; or have, at the completion of three years, passed satisfactorily an examination in advanced dentistry, the scope of which shall be determined by the Faculty of Medicine, shall be entitled to the degree of Doctor in Dental Science.

Degree of D.Litt.

Candidates for the degree of Doctor of Literature must be Masters of Arts, and graduates of at least five years' standing, who shall have distinguished themselves by special research and learning in the domain of literature or philosophy. They are required to present a satisfactory thesis or published work.

The fee for the degree is $80.

Degree of D.Sc.

Candidates for the degree of Doctor of Science must be Masters of Arts, or Masters of Science, or Doctors of Medicine, and graduates of at least five years' standing, who shall have distinguished themselves by special research and learning in the domain of science. They are required to present a satisfactory thesis or published work.

The fee for the degree is $80.

Degree of Ph. D.

Bachelors of Arts, or Bachelors of Science, or Bachelors of Applied Science of McGill University, or graduates of other universities holding degrees which shall be accepted

by the Committee on Graduate Studies as the equivalent of any of these, who, after graduation, shall have taken a graduate course of study for three years, in the University, or at least one year in the University and not less than two years at some other recognized seat of learning, shall have passed an examination at the end of the course, shall have presented a satisfactory thesis, and shall have performed such other exercises as may be prescribed to that end, the whole to the satisfaction of the Committee on Graduate Studies, and also any other examiners whom the Corporation may associate with that Committee, shall be entitled to the Degree of Doctor of Philosophy.

For detailed regulations, see under "Graduate School," page 263.

The fee for the Degree is $30.00.

Degree of D.C.L.

Candidates for the degree of Doctor of Civil Law must be Bachelors of Civil Law of at least twelve years' standing. They are required to pass a special examination for the degree and to present a satisfactory thesis or published work on some subject selected or approved by the Faculty of Law. For details of the examination, etc., see under Faculty of Law, page 219.

The fee for the degree is $80.

Degree of LL.D.

Except as hereinafter mentioned, the degree of Doctor of Laws is given only as an honorary degree.

Any person who matriculated and attended lectures in the Faculty of Arts before the 31st January, 1899, may proceed to the degree of Doctor of Laws, in course, upon the following conditions:

Candidates for the degree of LL.D., in course, must be Masters of Arts of at least twelve years' standing, and are required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a thesis on some literary or scientific

subject which has been *previously approved by the Faculty.* The thesis must exhibit such a degree of literary or scientific merit, and give evidence of such originality of thought or extent of research as shall, in the opinion of the Faculty, justify recommendation for the degree.

Candidates are also required to submit, with their thesis, a list of books treating of some one branch of literature or of science satisfactory to the Faculty, in which they are prepared to submit to examination, and in which they shall be examined, unless otherwise ordered by the Faculty.

The fee for the degree is $80.

ADMISSION "AD EUNDEM GRADUM."

The following are the regulations applicable to admission "ad eundem gradum":—

Extract from the Statutes, Chap. VIII.

"Graduates of other universities, desirous of admission to "the like degree in this University, may be so admitted by "the Corporation; due enquiry being first made as to their "moral character and sound learning, and opportunity given "to the several Faculties, or the Committee on Graduate "Studies, as may be required, to make such representation "in the premises as they may see fit. Provided always, "that, except in the case of candidates proceeding to a "higher degree, such admission shall not be put to vote "until after three months' notice, unless by unanimous con- "sent, and shall not be ordered, if as many as five members "of the Corporation shall vote against it."

Extracts from the Regulations of the Corporation.

"In all cases in which anyone is proposed for any 'ad "eundem' degree, it shall be necessary for the member or "members of the Corporation making such proposal, to state "in writing therewith the grounds upon which the granting "of such degree is advocated, and when the case shall be re- "ferred to the Faculties, under Chap. VIII. of the Statutes,

"copies of such proposal and grounds shall be transmitted to "the Faculties by the Registrar for their consideration."

Note. In considering applications under the above regulations, the Faculties will require as "grounds" the pursuit of a course of study or research in this University; association with the academic work of the University; or similar qualifications.

Admission "ad eundem gradum" is not granted merely as a titular distinction.

"The Degree of Bachelor of Arts or Bachelor of Science, "ad eundem, shall be granted only to candidates who are "proceeding to a higher degree, and admission to the lower "degree shall be withheld until the higher degree has been "granted."

"Graduates of all universities desiring an ad eundem "degree of this University, as a condition of entering on "a course of study leading to a higher degree, shall make "application to the Committee on Graduate Studies, who "shall thereupon report their recommendation to Corpor-"ation, which body shall immediately take action without "previous reference to the various Faculties."

The Chairman of the Committee on Graduate Studies is Dr. Frank D. Adams.

MISCELLANEOUS.

MORALS AND DISCIPLINE.

1. University discipline shall be exercised by the several Faculties, and by the Committee on Morals and Discipline, subject in the cases hereinafter mentioned to revision or confirmation by Corporation.

2. Subject to the provisions of the following section, each Faculty shall be entitled to exercise University discipline over its own students.

3. All cases of discipline involving the interests of more than one Faculty, or of the University in general, shall be dealt with by a Standing Committee of Corporation, to be known as the Committee on Morals and Discipline, which shall consist of the Vice-Principal, the Deans of the several Faculties, one member of the Board of Governors and another member of Corporation who must be outside of the University staff. The two members last named shall be appointed annually at the regular meeting of the Corporation in February. The Committee shall have power to add to their number the President and Vice-President of the Students' Court of Honour, in cases in which that body has taken action and made a report.

4. All such cases of discipline as are referred to in subsection 3 shall be reported to the Principal, or, in his absence, to the Vice-Principal, or, in the absence of both, to the senior Dean present in the City. If the Principal, or, as the case may be, the Vice Principal or the Dean, deems action necessary, the matter shall be reported to the Committee on Morals and Discipline.

5. When sentence of expulsion or of suspension for more than three months has been pronounced by a Faculty, or by the Committee on Morals and Discipline, the Corporation may entertain an appeal.

6. "University discipline" shall mean any appropriate method of exercising authority over students, and shall, but without prejudice to the foregoing generality, include the

power of expulsion, suspension, disqualifying from competing for scholarships, exhibitions, medals, prizes or honours, imposing fines, not exceeding $25, on any student, levying assessments for damage done, reporting to parents or guardians, and admonition.

7. Any student found guilty of immoral, dishonest, disorderly or improper conduct, or of wrongfully causing damage to person or property shall be liable to University discipline.

8. If on an occasion of general disorder on the part of a year, class, or group of students, damage be done to University property, or acts committed meriting discipline, and the individuals who have done such damage, or committed such acts, have not been discovered, an assessment to cover the damage may be laid, or a fine imposed, or both, on all the members of such year, class or group.

9. While in college, or in the college grounds, students shall conduct themselves in the same orderly manner as in the class-rooms. Smoking is prohibited in the college buildings, except in such rooms, if any, as may be set apart for that purpose. Any Professor observing improper conduct on the part of a student in the college buildings or grounds may admonish him, and, if necessary, report him to the Dean of the Faculty in which he is enrolled. Without, as well as within the walls of the college, every student is required to maintain a good moral character.

COLLEGE GROUNDS AND ATHLETICS.

The management of the college grounds and of out-door athletics and sports are under the control of a Committee consisting of a member of the Board of Governors, the Principal, a member of each Faculty, the medical Director of Physical Training, a graduate, the President of the Athletic Association, and an undergraduate representative from each of the affiliated clubs.

The several members of the Committee are elected annually by their respective bodies. The undergraduate members of the Committee are entitled to vote only on matters relating to athletics.

The following extracts are made from the rules and regulations of the Committee, for the guidance of members of the University and the several athletic clubs and associations which are from time to time permitted to use the grounds:

During the summer season the Sherbrooke Street gates shall be closed between 10 p.m. and 6 a.m. every day, and the University and McTavish Street gates between 6 p.m. and 7 a.m. on week days and the whole day on Sunday.

Such persons as are entitled to use the grounds shall be provided with tickets renewable each year. Those entitled to tickets are the members of the University and prominent benefactors, and the families of Governors and Professors.

The several Clubs may be permitted to issue special tickets, entitling the holders to admission to the grounds for the purpose of viewing matches, or for other special occasions of public interest.

All students desirous of taking part in football matches, or otherwise engaging in violent athletic contests, must pass a medical examination, to be held under the direction of the Medical Director of Physical Training. A complete record of all such examinations shall be kept by the Director or some other officer appointed to this duty. The managers and captains of Clubs, or other responsible executive officers, are required to insist upon the strict observance of the rule in regard to medical examination, and all the rules and regulations of the Committee which concern them.

All Clubs must submit their regulations, rules, and by-laws, and any changes in the same, for the approval of the Committee. They must make application for the use of such portions of the grounds as they require, and for any special privileges.

Clubs must not engage in matches with outside clubs except with the approval of the Committee.

The Athletic Association must submit its programme for each year for the approval of the Committee.

All students in good standing who are taking a course of study held to be sufficient will be allowed to take part in athletics, subject, however, to the regulation of the Grounds and Athletics Committee regarding medical examination.

Suspension from lectures for any cause, or absence from more than one-eighth of the total number of lectures given in any course, as shown by the monthly reports furnished to the Dean of each Faculty by the several Professors and Lecturers, shall be considered as sufficient ground to disqualify a student for engaging in athletic contests.

Partial students will be debarred from entering athletic competitions or contests unless they take courses which are considered adequate by a special committee of the Faculty in which they are enrolled.

All students of the University are required to pay a fee of three dollars ($3.00) for the use of the grounds. (This fee is included in the sessional fee except in the case of students in medicine.) The amount so paid is handed over to the Committee, and is by it expended in the interest of college athletics and in the permanent improvement of the portions of the grounds used for athletics.

The amount derived as grounds and athletics fees from the students of the Royal Victoria College is placed at the disposal of the Committee in charge of the grounds, for expenditure in the interests of women-students.

The annual sports of the University are held on the second Friday of October in each year. The day is observed as a holiday.

UNIVERSITY ATHLETIC ASSOCIATION.

All matters connected with athletics at the University are under the direct supervision of this Association, which in turn is responsible to the "Grounds and Athletics Committee." The executive of the Athletic Association consists of the presidents of the various clubs of the Association, ten in number.

The Track Club has its special field in regulating and encouraging "Track and Field Athletics." The management of the Inter-class Sports and of the annual University sports is in the hands of this club. This year (1907) Freshman Sports and open handicaps will probably be held on September 28th, and the Annual University Sports on October 11th.

The Rugby Football Club, one of the strongest of the clubs, is represented by a senior and intermediate team in the Inter-

collegiate Union, and a junior team in the Q.R.F.U. In addition to these championship matches, a series of inter-class matches are played annually for the "Wood Cup."

The Skating and Hockey Club has a well established reputation. As in football, a series of inter-class games are played annually, in this case for the "Capper Trophy."

The *Association Football Club*, the *Basket-Ball Club*, the *Boxing Club*, the *Cricket Club*, the *Harrier's Club*, the *Tennis Club*, the *Fencing Club* and the *Wrestling Club* are the remaining clubs of the Association. Most of them conduct inter-class matches, and have a senior team, which represents the University in outside matches.

GYMNASIA.

(1) *The University Gymnasium.*

Medical Director of Physical Training:—F. W. Harvey, B.A., M.D.

Instructor:—W. J. Jacomb.

The classes, which are open to men students of all Faculties, will meet at the University Gymnasium at hours to suit, as far as possible, the convenience of students.

Instruction is given in boxing, wrestling, fencing, jiujitsu and swimming, for each of which a special fee is required.

Special attention is given to the application of exercise in treating cases of weakness or deformity, which should be reported to the Medical Director before the regular class work is undertaken.

The Wicksteed Silver and Bronze Medals for Physical Culture (the gift of Dr. R. J. Wicksteed) are offered for competition to students of the graduating class and to students who have had instruction in the gymnasium for two sessions; the silver medal to the former, the bronze medal to the latter.

The award of these medals is made by judges, appointed by the Corporation of the University.

Every competitor for the silver medal is required to lodge with the judges, before the examination, a certificate of good standing in the graduating class, signed by the Dean or Registrar of the Faculty to which he belongs, and the medal will

not be awarded to any student who may fail in his examination for the degree.

(2) *The Royal Victoria College Gymnasium.*

Instructor:—

Classes for women-students are conducted in the gymnasium of the Royal Victoria College, at hours arranged to suit the convenience of the students, all of whom are required to pass a satisfactory medical examination before engaging in basket ball, or other exercises in the gymnasium. Students of the first year are required to take regular physical exercise in the gymnasium, amounting to two periods per week.

The Strathcona prizes of $20 and $10 are open for competition to students of the second and fourth years, under the following regulations:—

(1) Competitors must be able to show an attendance of 65% on the gymnastic classes throughout the session.

(2) No prize shall be awarded unless the judges consider the work up to a standard of 75%.

(3) The prize shall be awarded if one candidate reach the required standard, even if there be no competition.

(4) The prize shall not be awarded should the winner fail in obtaining her full academic standing.

(5) A programme from which the exercises are to be chosen will be posted in the gymnasium at the beginning of each session (not later than October 15th of each year) and the actual programme of the competition will be posted not later than January 15th.

(6) Judges for these competitions shall be appointed yearly by the Corporation, on the recommendation of the Medical Director of Physical Training.

ACADEMIC DRESS.

Professors, lecturers and students are required to wear academic dress at lectures, except in those cases in which a dispensation shall have been granted by the Faculty.

Undergraduates shall wear a plain black stuff gown, not falling below the knee, with round sleeve cut above elbow.

Bachelor of Arts.—Black stuff gown, falling below knee, with full sleeve cut to elbow and terminating in a point (similar to that of

the Cambridge B.A.); hood, black silk, lined with pale blue silk and edged with white fur.

Bachelor of Science.—The same gown as Bachelors of Arts; hood, black silk, lined with yellow silk and edged with white fur.

Bachelor of Civil Law.—The same gown as Bachelors of Arts; hood, black silk, lined with French grey silk and edged with white fur.

Master of Arts.—Black gown of stuff or silk falling below knee, with long sleeve with semi-circular cut at the bottom (similar to that of the Cambridge M.A.); hood, black silk, lined with pale blue silk.

Master of Science.—The same gown as Masters of Arts; hood, black silk, lined with yellow silk.

Doctor of Medicine.—The same gown as Masters of Arts; hood, scarlet cloth, lined with dark blue silk.

Doctor of Laws.—The same gown as Masters of Arts; hood, scarlet cloth, lined with white silk.

Doctor of Literature.—The same gown as Masters of Arts; hood, scarlet cloth, lined with pale blue silk.

Doctor of Science.—The same gown as Masters of Arts; hood, scarlet cloth, lined with yellow silk.

Doctor of Civil Law.—The same gown as Masters of Arts; hood, scarlet cloth, lined with French grey silk.

Doctors of Laws, Doctors of Civil Law, Doctors of Literature, and Doctors of Science shall be entitled to wear for full dress a robe of scarlet cloth (similar in pattern to that of the Cambridge LL.D.) faced with silk of the same colour as the lining of their respective hoods.

All hoods shall be in pattern similar to that of the Masters of Arts of Cambridge University.

Undergraduates and graduates shall wear the ordinary black trencher with black tassel, but Doctors of Laws, Doctors of Civil Law, Doctors of Literature, and Doctors of Science shall wear for full dress a black velvet hat with gold cord, similar to that worn by Doctors of Laws of Cambridge University.

Samples of the colours of the linings of all hoods shall be kept for inspection in the office of the Registrar.

THE UNIVERSITY LIBRARY.

C. H. Gould, B.A., Librarian.

The University Library is under the general management of a Committee of Corporation, consisting of the Principal, Chairman; the Librarian, Secretary; two members of the Board of Governors; one Representative Fellow, appointed by corporation; two representatives of the Faculty of Arts, elected by the Faculty; one representative of each of the Faculties of Applied Science, Law and Medicine, elected by their respective Faculties; and four other members appointed by Corporation.

The various libraries of the University now contain over 112,000 volumes, nearly 20,000 pamphlets, and considerable collections of maps and of photographs.

In addition to providing for the symmetrical growth of the Library, the Committee has latterly been enabled, through generous gifts, to acquire a number of the rarer and more costly monographs and serials which are indispensable for research; there being now on the shelves nearly 300 complete fyles of periodicals and publications of various literary and scientific societies. Many of these have been added through the liberality of Sir William C. Macdonald.

Among the special collections exclusive of departmental libraries, mention should be made of the *Redpath Historical Collection,* formed by the late Mr. Peter Redpath some years before his death, and, from that time forward, steadily augmented during the remainder of her life, by his widow. It is now of great value, and affords unusual opportunities for the study of English History. The most striking feature of the collection—a series of political and religious tracts—was greatly enriched by the late Mrs. Redpath, and now comprises about 10,000 brochures, dating from 1600 to the end of the nineteenth century.

Abundant materials, bearing upon the History of Canada, have been gathered together. Of these the nucleus is formed by the entire library of the late Mr. Frederick Griffin, whose choice books were, some years ago, bequeathed to the Univer-

sity. This branch of the library is being steadily augmented, and includes, besides important manuscripts, an interesting collection of Canadian portraits and autographs.

The Medical Library, directly controlled by the Faculty of Medicine, is the largest of the departmental libraries, and is one of the most complete collections of its kind in the Dominion.

Current periodicals, with Transactions and other Society publications to the number of about 360 in the aggregate, are regularly received by the Library. The list of these serials is being extended year by year.

Members of the family of the late Mr. Hugh McLennan generously enabled the Library Committee to establish a system of travelling libraries, during the autumn of 1900, and since then have provided for the maintenance and operation of the system. The libraries are sent on application, and on payment of a nominal fee of $3.00, to any point in Canada. Regulations and full particulars may be obtained from the Librarian of the University.

Although the library is maintained primarily for members of the University, the Corporation has provided for the admission, upon certain conditions, of such persons as may be approved by the Library Committee. It is the desire of the Committee to make the library as useful to the entire community as is consistent with the safety of the books and the general interests of the University.

EXTRACTS FROM THE LIBRARY REGULATIONS.

1. During the College Session the Library is open daily (except Sundays and general public holidays), from 9 a.m. till 5 p.m.; and the Reading Room from 9 a.m. till 6 p.m., and also from 7.30 till 10.30 p.m. On Saturdays, both Library and Reading Room close at 5 p.m. During vacations, both Library and Reading Room close at 5 p.m., and on Saturdays at 1 p.m.

2. Students in the Faculties of Arts, Law, and Applied Science are entitled to read in the Library, and may borrow books (subject to the regulations) to the number of three volumes at one time.

3. Students in the Faculty of Medicine, who have paid the Library fee to the Bursar, may read in the Library, and on depositing the sum of $5 with the Bursar, may borrow books on the same conditions as students in other Faculties. They are required to present their Matriculation Tickets to the Bursar and to the Librarian.

4. Graduates in any of the Faculties, on making a deposit of $5, are entitled to the use of the Library, subject to the same rules and conditions as students in Arts, Law, or Applied Science.

5. Books may be taken from the Library only after they have been charged at the Delivery Desk: borrowers who cannot attend personally must sign and date an order, giving the titles of the books desired.

6. Books in the Reference Library must not be taken from the Reading Room; and, after they have been used, they must be returned promptly by readers to their proper places upon the shelves.

7. Before leaving the Library, readers must return the books they have obtained to the attendant at the Delivery Desk.

8. All persons using books remain responsible for them so long as the books are charged to them, and borrowers returning books must see that their receipt is properly cancelled.

9. Writing or making any mark upon any book belonging to the Library is unconditionally forbidden. Any person found guilty of wilfully damaging any book in any way shall be excluded from the Library; and shall be debarred from the use thereof for such time as the Library Committee may determine.

10. Damage to or loss of books, maps, or plates, and injury of Library fixtures, must be made good to the satisfaction of the Librarian and of the Library Committee.

Damage, loss or injury when the responsibility cannot be traced will be made good out of the caution money deposited by students with the Bursar.

11. Should any borrower fail to return a book upon the date when its return is due, he may be notified by postal card of his default, and be requested to return the book. If the loan is not renewed, or the book returned, after a further

delay of at most three days, it may be sent for by special messenger, at the borrower's expense.

12. Before the close of the session, students in their final year must return uninjured, or replace to the satisfaction of the Librarian, all books which they have borrowed.

13. Silence must be strictly observed in the Library.

14. Infringement of any of the rules of the Library will subject the offender to a suspension of his privileges, or to such other penalty as the nature of the case may require.

McGILL COLLEGE BOOK CLUB.

ESTABLISHED, A.D. 1869.

This Club is in the 38th year of its existence, and has for its two-fold object to procure an early supply of new books (novels excluded) for its members, and the increase of the Library. By this means an addition has already been made to the Library of not less than 4,000 volumes in special and general literature.

Membership in the Club is open to all, at an annual subscription of ten dollars.

Apart from the advantages to be directly derived from membership, there is the special privilege accorded to members of using the College Library on the same conditions as graduates, without being required, however, to make a deposit when books are borrowed.

The members of the Executive Committee are as follows:— Dr. Alex. Johnson; F. P. Walton, B.A., LL.B., LL.D.; Mr. G. B. Cramp, K.C.; Dr. Andrew Macphail; Wm. Gardner, M.D.; Mr. Fayette Brown, and Mr. G. A. Farmer, to any of whom application for membership may be addressed, or to Mr. E. M. Renouf, Secretary, at the Club's Depository, 320 St. Catherine Street, West.

INFORMATION FOR STUDENTS IN ARTS.

THE SESSION 1907-1908 WILL OPEN ON WEDNESDAY, SEPTEMBER 18TH, 1907. STUDENTS ENTERING THE UNIVERSITY WILL REGISTER AT THE REGISTRAR'S OFFICE BETWEEN THE 11TH AND 17TH (BOTH DATES INCLUSIVE); STUDENTS PREVIOUSLY ENROLLED WILL REGISTER ON THE 18TH.*

Information on the following matters will be found by referring to the pages mentioned:—

	PAGES
Admission of partial students	12
Attendance	49
Exhibitions and Scholarships	30
Fees	52
Matriculation	16
Medals and Prizes	43
Summer Classes	10

For Time Tables of Lectures and Examinations, see first part of Calendar.

REGULATIONS FOR THE DEGREE OF B. A.

After passing the matriculation examination, an undergraduate, in order to obtain the degree of B.A or B.Sc., is required to attend regularly the appointed courses of lectures for four years, and to pass the required examinations in each year. He cannot take more than the number of subjects specified for each year without the special permission of the Faculty, nor can he proceed with his course unless he passes each examination in its assigned order. In case of failure to pass any of these examinations, permission to re-

* For full particulars regarding registration, see page 49.

cover standing by passing supplemental examinations must be obtained from the Faculty. The conditions under which such permission is granted are stated on page 87. Undergraduates are arranged in years, from first to fourth, according to their academic standing.

Before October 1st (except in special cases), every undergraduate is required to submit to the Faculty, through the Dean's office, for approval, a written statement of the subjects he proposes to study during the session. He will not be allowed to discontinue any of these, if approved, or begin, or obtain credit for an examination in any other, without the special permission of the Faculty.

I. ORDINARY COURSE FOR THE DEGREE OF B.A.

First Year.

Greek, 1 *or* 2, (page 93) *or* Latin, 1 (page 96).
English, 1A, 1B (page 101) and History, 1 (page 122).
Mathematics, 1—Algebra, Geometry and Trigonometry—(age 129).
Latin, 1 (page 96), *or* Greek, 1 *or* 2 (page 93), *or* French, 1, 2 (page 106), *or* German, 2 (page 109), *or* Spanish. (page 112).
Physics, 1 (page 131).

German may be taken instead of Trigonometry by students who intend to read for Modern Language Honours. This option will, however, be granted only on the recommendation of the Modern Language Department.

French cannot be taken as a qualifying option in the first year, except by students who have passed the matriculation examination in this subject.

An additional language may be taken as an extra subject in the first two years, if application be made to, and permission obtained from the Faculty at the beginning of the session. Credit will be given for it on application.

Advanced Courses.—With a view to the encouragement of higher work, advanced courses will be provided in all subjects as far as practicable. Permission to take an advanced course is granted by the Professor.

Students taking the work of advanced courses may be excused from the work of the corresponding ordinary courses, on the recommendation of the Professor. No exemptions from other subjects will be granted to students in advanced courses.

An outline of the First Year Course for the Diploma of Commerce will be found on page 148.

Second Year.

English Composition, 2B (page 102).
Latin, 2 (page 97) *or* **Greek 3** (page 94).
and *three* of the following:
Greek, 3 (page 94) *or* **Latin 2** (page 97).
English, 2A (page 101).
French, 3, 4 (page 107).
German, 3 (page 110).
Semitic Languages, A 1 (*a*) **and B 1** *or* **B 3** (page 113).
Psychology and Logic, 1A and 1B (page 117).
Descriptive Economics, 1 (page 125) **and History, 2** (page 123).
Mathematics, 2 (page 129).
Elementary Biology [Zoology, 1A (page 144) **and Botany, 1** (page 140).
Chemistry, 1 (page 134).
Physics, 2 (page 132) **(only for students taking the advanced course in Mathematics).**

Students intending to take the double course in Arts (B.A.) and Applied Science must take Mathematics and Chemistry; those intending to take the double course in Arts (B.A.) and Medicine must take Chemistry and Biology.

Advanced Courses will be offered in the second year as in the first.

Students taking an advanced course may be excused from the work of the corresponding ordinary courses, on the recommendation of the Professor. An exemption from one other of the three subjects specified above may be granted to students taking the advanced course in mathematics, but to no others.

An outline of the Second Year Course for the Diploma of Commerce will be found on page 148.

Third and Fourth Years.

The subjects of the third and fourth years are arranged in the following divisions:—

Language and Literature.	History, Philosophy and Law.	Science.
English, 3A, 3B, 4A, 4B and 3 C and 4 C (page 102).	Philosophy, 2, 3, 4 *or* 5 (page 117).	Mathematics, 3 (page 129).
Latin, 3 (page 97).	History, 3 (page 123).	Mechanics, 4 (page 133), and Astronomy, 4 (page 130). (Two half courses).
Greek, 4 (page 95).	Economics, 2 (page 125).	Physics:
Sanskrit, 1A, 1B (page 99).	Political Science, 3 (page 126).	Sound, Light, Heat (full course), 2 (page 132).
Comparative Philology (half course), A, B (page 100).	Constitutional Law (page 128).	Electricity and Magnetism (full course), 3 (page 133).
French, 5 (page 107).	Roman Law (page 129).	Chemistry, 2, 3, 4; 5, 6; *or* 7, 8 (page 134).
German, 4 (page 110).		Geology, 1 (page 137).
Italian, in alternate years (page 112).		Zoology, 2 (page 144).
Semitic Languages, A 1 (*b*), A 2, B 2 and C (page 113).		Botany, 2, 3 (page 140).
		*Physiology.
		*Anatomy.

From the above divisions six courses are to be selected by each student in the third and fourth years, three in each year. Each will be studied in lecture courses extending over not more than four hours per week, with collateral reading, and, in the case of the science subjects, laboratory work. One subject chosen in the third year *must* be continued by every student in his fourth year (Political Science, 3, will be accepted as a continuation of Economics, 2, and *vice versa*); two subjects *may* be continued if application to that effect be granted by the Faculty or the Advisory Committee of the Faculty. Of the whole six courses, one *must* and three *may* be chosen by all candidates from the list of subjects included under the head of Science, except when Chemistry or Biology has been selected as an option in the second year, in which case no science subject need be taken.

* These courses in the Faculty of Medicine are accepted as the equivalents of ordinary courses in the Faculty of Arts in the case of Double Course students in Arts and Medicine, but not otherwise.

In addition to the six courses, a course of one hour a week in English Composition (3C, 4C) must be taken by every candidate for the ordinary B.A. in the third and fourth years, and also by Honour students in English.

The Advisory Committee will meet not later than October 1st in each session, and will report to the Faculty on the subjects selected by students in each of the four years.

In order to obtain an ordinary B.A. degree of the First Class, a candidate must obtain not only the required aggregate of marks (viz., three-fourths of the maximum), but also First Class standing in three of his subjects, and not less than Second Class in any subject.

For arrangements enabling students in Medicine or Applied Science to take the course in Arts also, and obtain B.A., and B.Sc. (Applied Science) in six years, or B.A. (or B.Sc.) and M.D. in seven years, see pp. 88 to 91.

The degrees B.A. or B.Sc. and M.D. may also be taken in eight years. Details are given on page 90.

2. HONOUR COURSES FOR THE DEGREE OF B.A.

Honours of First, Second, or Third Rank will be awarded to successful candidates in any Honour Course established by the Faculty, provided they have passed creditably the regular examinations in all the subjects proper to their year.

A student proposing to read for an Honour Course: —

(1) Must satisfy the Department of his qualifications to proceed with the subject or subjects in question;

(2) Must, while attending lectures, make progress satisfactory to the Department. In case his progress is not satisfactory he may be notified by the Faculty to discontinue attendance.

Students who wish to graduate with Honours in any subject are strongly recommended to take the Advanced Courses in these subjects in the first and second years, where such are provided.

A candidate for Honours must take the ordinary course in the subject in which he is reading for Honours, but where the Honour Course corresponds to two ordinary subjects, a candidate may, at the discretion of the Department, be exempted from attendance on lectures in these ordinary subjects

for a number of hours not exceeding four weekly. In addition to the ordinary subject specified above, he is required to take a second ordinary subject, which may be determined by the department in which he is a candidate for Honours. The Faculty may, on the recommendation of the department, exempt any student from the obligation to take a second ordinary subject.

A student who desires to be a candidate for B.A. Honours must have taken at least Second Rank Honours in the third year. In this case he shall be required to take only one subject in his ordinary course, viz., that in which he is reading for Honours. A candidate, however, who obtains Third Rank Honours at the B.A. Examinations, will not be allowed credit at the end of the session for the exemption from other ordinary subjects, unless the examiners certify that his knowledge of the whole Honour Course is sufficient to justify it.

Honour lectures are open to all partial students who can satisfy the Professor of their fitness to proceed with the work of the course. Such students will not be ranked with undergraduates in the examination lists.

No student is allowed to attend two Honour Courses without the special permission of the Faculty.

Note.—For subjects of Ordinary Course, see page 79.

The Honour Courses offered are as follows:—

I. CLASSICS.

Third Year:—Greek—Lecture Courses, 4, 5 (page 95).
Latin— " " 3, 4 (page 97).
Fourth Year:—Greek—Lecture Courses, 4, 5 (page 95).
Latin— " " 3, 4 (page 97).

II. LATIN AND ENGLISH.

The details of this course have not yet been arranged.

III. LATIN AND FRENCH.

Third Year:—Latin—Lecture Courses, 3, 4 (page 97).
French (Session 1907-8)—Lecture Courses, 5, 7, 9 (page 107).
Fourth Year:—Latin—Lecture Courses, 3, 4 (page 97).
French (Session 1907-8)—Lecture Courses, 5, 7, 9 (page 107).

IV. LATIN AND GERMAN.

Third Year:—Latin—Lecture Courses, 3, 4 (page 97).
German (Session 1907-8)—Lecture Courses, 4, 6, 8 (page 110).

Fourth Year:—Latin—Lecture Courses, 3, 4 (page 97).
German (Session 1907-8)—Lecture Courses, 4, 6, 8 (page 110).

V. ENGLISH.

Third Year:—Lecture Courses, 3A, 3B, 3C, 5, 9, 10, 11 and 12 (page 102).

Fourth Year:—Lecture Courses 4A, 4B, 4C and *either* 6, 7, 8, *or* 9, 10, 11, 12, with one hour a week in language (page 103).

VI. MODERN LANGUAGES.

Third and Fourth Years (Session 1907-8):—French—Lecture Courses, 5, 7, 9 (page 107).
German — Lecture Courses, 4, 6, 8 (page 110).
Comparative Philology (for third year students) (page 100).

Third and Fourth Years (Session 1908-9):—French—Lecture Courses, 6, 8, 9 (page 108).
German — Lecture Courses, 5, 7, 8 (page 110).

VII. SEMITIC LANGUAGES.

See Semitic Courses, pages 112 to 116.

VIII. MENTAL AND MORAL PHILOSOPHY.

Third Year:—Lecture Courses 5*a*, 5*b*, 7, *or* 8 and 9 (page 119).
Fourth Year:—Lecture Courses 11, 12, 13, 14 (page 121).

IX. HISTORY AND ECONOMICS.

A. (Studies chiefly in History and Politics).

Third Year:—History—Lecture Courses 3, 6, 11 (page 123).
Economics and Political Science—Lecture Courses 2, 3 (pagt 125).

Fourth Year:—History—Lecture Courses 6, 7, 11 (page 123). Economics and Political Science — Lecture Courses 5, 6 and 7 or 8 (page 127).

B. (Studies chiefly in Economics and Politics.)

Third Year:—History—Lecture Course 3 (page 123). Economics and Political Science — Lecture Courses 2, 3, 4 (page 125).

Fourth Year:—History—Lecture Courses 6, 7 (page 123). Economics and Political Science — Lecture Coursts 4, 5, 6, 7, 8 (pagt 126).

A special thesis of advanced character will also be exacted from Fourth Year Honour students in History and Economics, Part A.

For examinations on readings at the end of both Third and Fouth Years see page 124.

The examination of Honour students on Economics 2 and Political Science 3 will include an extra paper as well as those set to the rest of these classes.

X. HISTORY AND ENGLISH.

Third Year:—History—Lecture Courses 3, 6, 11 (page 123). and thesis in connection with Course 11. English—Any courses aggregating six hours a week may be chosen from the programme of the English Department for the third and fourth years (pages 102 to 105).

Fourth Year:—History—Lecture Courses 6, 7, 11 (page 123). English—Any courses aggregating six hours a week may be chosen from the programme of the English Department for the third and fourth years, so long as these courses have not already been taken by the student in his third year (pages 102 to 105).

A special thesis of advanced character is also exacted from Fourth Year Honour students in History and English.

XI. MATHEMATICS AND PHYSICS.

Third Year:—Mathematics — Lecture Courses 7, 8, 9, 10 (page 130).
Physics — Lecture Courses 3, 4, 5 (in part) (page 133).
Fourth Year:—Mathematics — Courses selected from 11, 12, 13, 14 (page 130).
Physics—Lecture Course 5 (page 133).

XII. CHEMISTRY.

Third Year:—Chemistry—Lecture Courses 2, 3, 4 (page 134). (Extra reading and laboratory work.)
Physics—Lecture Course 2 (page 132).
Mathematics—Lecture Course 4 (page130).
A half-course in Calculus or Biology, or Geology, or Mineralogy.
Fourth Year:—Chemistry—Lecture Courses 5, 6, 7, 8 *or* 7, 8, 9 (page 135).
Physics—Lecture Course 3 (page 133).

XIII. GEOLOGY AND MINERALOGY.

Third Year:—Geology—Lecture Course 1 (page 137).
Mineralogy—Courses 1 and 2 (page 136).
Zoology—Lecture Course 2 (page 144).
Chemistry — Lecture Course 2 or 3 and 4 (page 134).
Fourth Year:—Geology—2, 3 (b), 4, 5, 6, 7, Lectures, Laboratory Work, Field Work, Colloquium, Reading.
Mineralogy, 3.
Botany, one half-course, 3*a* (page 141).

XIV. BIOLOGY.

Third Year:—Botany Lecture Course 2 (page 140), and a special course of reading and weekly themes.
Zoology—Lecture Courses 1B, 2 (page 144), and Darwin's Origin of Species.
Geology—Lecture Course 1 (page 137).
Fourth Year:—Botany—Lecture Course 3 (page 141), and a special course of reading and weekly themes.
Zoology—Lecture Courses 3A and 3B (page 145) and essays on selected subjects.

3. HONOUR COURSES FOR SPECIALISTS IN ONTARIO.

A number of courses, leading to a degree in Honours in McGill University, and qualifying for specialists' standing in the province of Ontario, have been accepted by the Education Department of that province. Full details of these courses are given in the Calendar for 1905-6, and may also be obtained on application to the Dean of the Faculty of Arts. The provincial regulation as to specialists' standing in Ontario is as follows:—

"51. (1) Any person who obtains a degree in Arts in the honor department of Mathematics, Science, Classics, English and History, Moderns and History, or French and German, as specified in the calendar of any University in Canada and accepted by the Education Department, who has graduated with at least second class honors (or 66 per cent., in each subject of such honor department) and who has been in actual attendance in such department at a University for not less than two academic years, shall be entitled to the non-professional qualification of a specialist in such department."

Graduates of McGill University who, having taken any of these courses, have obtained the necessary standing in Honours, as stated in the foregoing regulation, will, on attending such courses and passing such examinations in subjects relating to the Art of Teaching and School Management as are prescribed by the Department of Education of the Province of Ontario, be qualified as specialists in that province. Undergraduates will not be permitted to substitute these courses for those of the regular McGill curriculum, except as a whole.

4. ORDINARY COURSE FOR THE DEGREE OF B.Sc. (ARTS).

The B.Sc. course in Arts has been specially arranged to give the student a thorough training in science, combined with a good knowledge of English, French, and German. A wide range of sciences may be studied, and the course differs from those offered in the Faculty of Applied Science in the substitution of modern languages for the more purely technical work of that Faculty.

A high standard of attainment will in all cases be exacted, and it is expected that in the final year the course will include instruction in the methods of modern research.

First Year.

English, 1A, 1B (page 101), and History, 1 (page 122).
French, 1, 2 (page 106).
German, 2 (page 109).
Mathematics, 1 (page 129).
Physics, 1 (page 131).

Second Year.

English, 2B (page 102).
French, 3, 4 (page 107).
German, 3 (page 110).
Chemistry, 1 (page 134)—Laboratory work in addition.
Mathematics, 2, (page 129) *or* Elementary Biology (pages 140 and 144).

(*a*) Upon entering the second year, the student must decide upon the general character of the course which he will follow in the third and fourth years. If his course in these years is to consist chiefly of Mathematics and Physics, he must choose Mathematics; if it is to be chiefly biological or geological, he must take Biology; while if he intends to select Chemistry, he must take Mathematics if he intends to devote special attention to Physical Chemistry, but Biology if he intends to make special study of other branches of this science.

(*b*) A candidate for the degree of B.Sc. must obtain at least Second Class standing both in French and German at the sessional examinations of the second year, and, upon entering the third year, must, in order to proceed with his course, be able to read with ease scientific papers in both of these languages.

(*c*) The student shall, in the third year, take a full course in three of the following sciences, viz.:—Mathematics, Physics, Chemistry, Zoology, Botany, Geology. He shall take, in addition, a portion of the B.A. Honour Course in one of them, as well as a course in English Composition.

(*d*) In the fourth year the student shall devote his time chiefly to advanced work in one of the three sciences which he has already studied in the third year. The course which he is to follow will be drawn up by the Professors of the science which he selects and must be approved by the B.Sc. Advisory Committee. He shall take, in addition, a course in English Composition.

EXAMINATIONS IN ARTS.

1. There are two examinations in each year, viz., at Christmas and at the end of the session. Successful students are arranged in three classes at the sessional examinations.

Christmas examinations will be held in all the subjects of the first and second years, and are obligatory on all undergraduates, and also on all partial students of the first year, unless they have been specially exempted. Partial students of the first year, who fail in the Christmas examination, will be requested to withdraw from the class. Twenty-five per cent. of the marks given for the sessional work in each subject will be assigned for the results of the Christmas examinations. Students prevented by illness from attending the Christmas examinations will, on presenting a medical certificate, be given sessional standing on the results of the April examinations. Candidates who fail in courses of the first and second years, terminating at Christmas, will be required to pass, at the April examinations, on an extra paper in the subject in which they have failed.

Christmas Examinations in the third and fourth years may be held at the option of the Professors. When held, the same value will be assigned to them as in the case of the first and second years.

2. An undergraduate who fails in one subject at the sessional examinations of the first or of the second year, will not be allowed to proceed with his course unless he passes a supplemental examination therein at the beginning of the session, or takes the summer course, if there be one, in the subject, and passes the corresponding examination.

3. Failure in two or more subjects at the sessional examinations of the first or of the second year, or in one subject at the third year sessional examinations, involves the loss of the session. The Faculty may permit the student to recover his standing by passing a supplemental examination at the beginning of the following session. If he fail in any subject at this examination he will be required to repeat the year.

A summer course, on the same conditions as above, may be accepted instead of a supplemental examination.

4. Examinations supplemental to the sessional examinations will be held in September, simultaneously with the ma-

triculation examinations. The time for each supplemental examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of $5.

5. A list of those to whom the Faculty has granted supplemental examinations in the following September will be published after the sessional examination.

REGULATIONS FOR COURSES IN ARTS LEADING INTO THE PROFESSIONAL FACULTIES.

Any student intending to claim the privileges offered below, is required, at the beginning of the session, to present to the Dean of the Faculty of Arts a certificate of registration in the Professional Faculty, and to produce, at the end of the session, certificates of attendance and examination in the professional classes specified.

ARTS AND APPLIED SCIENCE.

1. Undergraduates beginning the third year in Arts, who have taken all the ordinary Mathematics of the first two years, and the Chemistry of the second year, and who wish to pursue their professional studies in the Faculty of Applied Science so as to obtain the degrees of B.A. and B.Sc. (App. Sc.) within the following four years, will be exempted by the Faculty of Applied Science from the Mathematics of the first year in Applied Science and from Chemistry of the second year.

2. They must, unless by special permission of the Faculty of Arts, distribute the course of the third and fourth years in Arts over three years, in accordance with the following schedule of studies:—

I. *In the Third Year*:—

(*a*) Physics of the third year.

(*b*) Two of the courses which are not placed under the heading "Science" in the Arts curriculum. The time tables of the two Faculties allow the following to be chosen:—English, History.

(*c*) Either one or two hours weekly in English Composition.*

* NOTE.—Students are recommended to distribute their English work over two years.

II. *In the Fourth Year*:—

(*a*) Physics of the fourth year.

(*b*) One hour weekly in English Composition, if only one has been taken in the third year.*

(*c*) The Mathematics of the second year Applied Science (6 hours weekly as 1½ courses).

III. *In the Fifth Year*:—

The Mathematics of the third year Applied Science (2 hours weekly as a half course), or another course in the Arts curriculum.

3. Students who, having obtained permission of the Faculty, desire to complete the course for the B.A. Degree in four years, are required to take a full course in one subject in the Arts curriculum in addition to the courses prescribed in 2, II, above.

ARTS (B.A. COURSE) AND MEDICINE.

Students taking this course, who intend to practise in the province of Quebec, are required to matriculate and register with the Quebec Licensing Board at the end of their third year in Arts.

1. Undergraduates beginning the third year, who have taken the Chemistry and Biology of the second year, and who wish to pursue their professional studies in the Faculty of Medicine so as to obtain the degrees of B.A. and M.D. within the following five years, will be exempted by the Faculty of Medicine from the subjects of Chemistry, Physics, and Biology in the first year of the Faculty of Medicine.

2. They may complete the Arts curriculum by taking the following courses:—

I. *In the Third Year*:—

(a) Anatomy and Practical Anatomy, Histology, Embryology and Bacteriology, of the first year Medicine.

(b) Zoology, or Chemistry, and one-half the course in Honours Zoology of the Arts curriculum for the third year, as well as a modern language, but the

* Note.—Students are recommended to distribute their English work over two years.

language in question must have been taken in the first and second years.

(c) Either one or two hours weekly in English Composition.*

II. *In the Fourth Year*:—

(a) Anatomy and Practical Anatomy, Histology, Physiology, Chemistry, Pharmacy and Bio-Chemistry, of the second year Medicine.

(b) One hour weekly in English Composition, if only one has been taken in the third year.*

The two degrees, B.A. and M.D., may also be obtained in eight years by Honour students in Biology, they being allowed to substitute the Anatomy of the first year in Medicine for one-half the Zoology of the fourth year Arts.

ARTS (B.Sc. COURSE) AND MEDICINE.

Students taking this course, who intend to practise in the province of Quebec, are required to matriculate and register with the Quebec Licensing Board at the end of their third year in Arts.

1. Students who wish to take a combined course in the Faculties of Arts and Medicine with a view to obtaining the degrees of B.Sc. (Arts) and M.D. within seven years, must take Latin under head 6 of the matriculation requirements for the B.Sc. course, see p. 17.

2. They must take the ordinary B.Sc. course with the following modifications:—

Second year students shall take the course in Biology as prescribed for students in Medicine.

Third year students taking the Double Course shall be required to offer one of the following:—

1. Zoology.—(*a*) The full Ordinary Continuation Course of the Faculty of Arts, and in addition (*b*) half the Honours Course, the latter to be taken during the first half of the session.

II. Physics. — (*a*) The full ordinary course of the Faculty of Arts, under which head students may take either

* Note.—Students are recommended to distribute their English work over two years.

the course in sound, light and heat (Physics 2), or that on electricity and magnetism (Physics 3), or a combined course consisting of portions of these, and in addition (*b*) advanced work constituting half an Honours Course, the latter to be taken during the first half of the session.

III. Chemistry.—(*a*) A half-course in Physical Chemistry, during the first half of the session (from Chemistry, 7, 8); (*b*) a half-course in Organic Chemistry, during the second half of the session (Chemistry, 3, 6); (*c*) advanced work constituting half an Honours Course, the last to be taken during the first half of the session.

IV. Botany. — (*a*) The full ordinary primary course of the Faculty of Arts (Botany, 2); (*b*) *either* half the Honours Course prescribed for fourth year students in the Faculty of Arts (Botany, 6); *or* half an Honours Course in Chemistry, Physics or Zoology. The work under (*b*) is in any case to be taken during the first half of the session.

Fourth Year.—Wednesday afternoon and Saturday morning of each week shall be devoted either (1) to Laboratory Work in connection with still more advanced study in the subjects selected during the third year; *or* (2) to work in another branch of science, provided the student is sufficiently well grounded to enable him to do the special work which may be assigned to him.

ARTS AND LAW.

Students intending to go forward to the Faculty of Law are recommended to include in their Third and Fourth Years Arts, such subjects as Constitutional Law and History, Economics, Political Science, and Roman Law.

COURSES LEADING TO FORESTRY.

See page 143.

LITERATE IN ARTS.

A certificate of "Literate in Arts," will be given along with the professional degree in Medicine or Applied Science, to those who have completed two years' study in the Faculty of Arts, and have passed the prescribed examinations.

The same certificate will also be given to students of affiliated colleges in the provinces of British Columbia, Alberta and Saskatchewan, who have completed the work of the first two years and have passed the prescribed examinations as undergraduates of McGill University.

STUDENTS OF THE UNIVERSITY ATTENDING AFFILIATED THEOLOGICAL COLLEGES.

1. The Faculty will make formal reports to the governing body of the Theological College which such students may attend as to:—(*a*) their conduct and attendance on the classes of the Faculty, (*b*) their standing in the several examinations; such reports to be furnished after the examinations, if called for.

2. Students who are pursuing a double course in Arts and Divinity (six years at least) will take in the third and fourth years the courses which constitute the ordinary curriculum in Arts, less a half course in each of these years, or a whole course in either.

COURSES OF LECTURES.

DEPARTMENT OF CLASSICS.

PROFESSORS:—{ W. PETERSON, M.A., LL.D.
{ W. SCOTT, M.A.

ASSOCIATE PROFESSOR:—A. J. EATON, M.A., PH.D.

ASSISTANT PROFESSORS: { S. B. SLACK, M.A.
{ RUSSELL E. MACNAGHTEN, B.A.

TUTOR AND LECTURER:—T. H. BILLINGS, M.A.

TUTOR (Royal Victoria College):—ELIZABETH A. IRWIN, M.A.

The four years' course in classics consists of a progressive study of the languages, literature, and history of the ancient Greeks and Romans. The work of each of the four years includes the reading of selected Greek and Latin authors, together with exercises in composition and translation. In the first and second years, prominence is given to the study of the languages, and to the cultivation of facility in reading and accuracy in translating. In the third and fourth years, while the study of the languages is continued, the subject-matter

and literary significance of the books are more fully dealt with, and the work includes continuous courses of lectures on history, literature, and kindred subjects, and the writing of essays on matters connected with the subjects of the lectures.

Students may be examined on the work prescribed for each class, even though it may not have been covered in the lectures.

Subjects are suggested for Summer Readings in connexion with the work of each class. Students are recommended to study these subjects in the Summer Vacation. An examination on the Summer Readings will be held in the first week of the Session; and credit will be given for the results of this examination. Students who take the examination in Latin or Greek for Second Year Exhibitions will be exempted from the examination on Summer Readings in that subject.

Students are also recommended to devote some part of the vacation to the subjects set down under the heads of History and Literature, which will be included among the subjects of the sessional examination.

Greek.

All students taking Greek are expected to provide themselves with a grammar, a Greek-English dictionary, and an Atlas of ancient geography. The following are recommended:—

Allen's Elementary Greek Grammar.

Liddell and Scott's Greek Lexicon (Abridged, or Intermediate).

Kiepert's Atlas Antiquus; or, Putzger's Historical Atlas.

BEGINNERS' COURSE.

1. Lectures, four hours a week.

The Ordinary First Year Course in Greek is suited for those students only who have already reached the matriculation standard in the subject. Students who have not reached the matriculation standard may take the Beginners' Course in place of the Ordinary First Year Course as one of the qualifying Courses of their First Year. Such students, in order to complete their First Year in Greek, are required to pass an examination on the work of the Beginners' Course at the end of the Session, and in addition, either to attend a tutorial class conducted during May and June, and pass an examination

in June, or, if exempted by the Faculty from attendance at this class, to pass a supplemental examination in September.

Books required for 1907-8:—White's First Greek Book (Ginn & Co.); Macmillan's Greek Reader, by Colson.

ORDINARY COURSES.

First Year.

2. Lectures, four hours a week.

For 1907-8:—AUTHORS: Xenophon, Hellenica, Book I, chapter 6 to end of Book II (Underhill, Clarendon Press); Euripides, Alcestis (Blakeney, Bell).

COMPOSITION: North and Hillard's Greek Prose Composition (Rivingtons).

TRANSLATION AT SIGHT: Greek Unseens in Prose and Verse, Junior Section (Liddell, Blackie).

GREEK HISTORY: 560 to 479 B. C. Book recommended, Cox's Greeks and Persians (Longman's Epoch Series), or Bury's History of Greece (Macmillan), chs. V to VII.

Additional work may be prescribed for advanced students. (See *Extra Course* below).

Second Year.

3. Lectures, four hours a week.

For 1907-8:—AUTHORS: *Summer Reading*: Cebetis Tabula (Jerram, Clarendon Press). *Lectures*: E. H. Moore's Easy Selections from Thucydides (Longmans), from the beginning of Part I to the end of Section III of Part II; Homer, Iliad I (Wainwright, Bell); Sophocles, Ajax (Campbell and Abbott, Clarendon Press).

COMPOSITION: North and Hillard's Greek Prose Composition (Rivingtons).

TRANSLATION AT SIGHT: Greek Unseens in Prose and Verse, Intermediate Section (Blackie & Son).

GREEK HISTORY: 479 to 403 B. C. Books recommended, Bury, History of Greece (Macmillan), chs. VIII to XI; Abbott, Pericles and the Golden Age of Athens (Putnam).

Advanced students will take the work of the Ordinary course, together with additional work to be prescribed. (See *Extra Course* below).

Third and Fourth Years.

4. Lectures, four hours a week.

For 1907-8:—HISTORY AND LITERATURE: Greek History to 404 B.C. The lectures will include a course of twelve hours on this period of history, and a course of twelve hours on Greek Literature of the same period.

AUTHORS: *Summer Reading*: Herodotus, Book VIII, chapters 1 to 90 (Shuckburgh, Pitt Press). *Lectures*: Homer, Iliad (Monro, Clarendon Press, Vol. I), selections from Books I to XII; Thucydides, Book II (Marchant, Macmillan).

COMPOSITION: Passages to be selected.

TRANSLATION AT SIGHT: Florilegium Tironis Græcum (Burrows and Flanders, Macmillan).

HONOUR COURSES.

Third and Fourth Years.

5. Honour students of the third and fourth years will take the work of the Ordinary course together with additional work, and will attend the Ordinary lectures (except those from which they may be exempted under the regulation on p. 80), together with four hours a week of additional lectures. They will study privately such parts of the authors and subjects prescribed as are not covered by the lectures.

Additional work for Honours:—1907-8:—AUTHORS: (Third and fourth years), Homer, Iliad (Monro, Clarendon Press, vols. I and II), with special study of selected portions; Thucydides, Books VI and VII (Marchant, Macmillan).

(Fourth Year only): Sophocles, Oedipus Tyrannus (Jebb, Pitt Press, ed. minor), and Oedipus Coloneus (Campbell and Abbott, Clarendon Press). See *Extra Course* below.

COMPOSITION: Passages to be selected.

TRANSLATION AT SIGHT: Fox and Bromley, Models and Exercises in Unseen Translation (Clarendon Press).

(In 1908-9, the work of the third and fourth years will be arranged on the following lines: — *Ordinary*: HISTORY AND LITERATURE; Greek History, from 404 to 323 B.C. The lectures will include a course on this period of history, and a course on the history of Greek Thought, with special reference to Ethics and Politics. AUTHORS: *Ordinary*: portions of

Plato and Euripides. *Additional for Honours*: further readings in Plato; selected speeches of the Attic Orators; selected dramas.)

(*For Honour Courses in Classics, see also page 81*).

EXTRA COURSE IN GREEK.

6. One hour a week: Thursday, 4.15 p.m.

Interpretation of a Greek Author. Text, Sophocles, Oedipus Tyrannus (Jebb, ed. minor, Pitt Press) and Oedipus Coloneus (Campbell and Abbott, Clarendon Press).

This Course is intended for Advanced and Honour Students of all years, Graduates, Teachers, and others.

BRITISH SCHOOL OF CLASSICAL STUDIES IN ATHENS.

McGill University is a contributor to the support of this School, which affords facilities for archæological and classical investigation in Greece. Graduates in Arts of McGill University are accordingly entitled to special privileges and advantages as regards tuition in the School.

Latin.

ORDINARY COURSES.

All students taking Latin are expected to provide themselves with a grammar, a Latin-English dictionary, and an Atlas of ancient geography. The following are recommended: — Allen and Greenough's New Latin Grammar; Lewis' School Dictionary, *or* White's Junior Students' Latin-English Dictionary; Kiepert's Atlas Antiquus, *or* Putzger's Historical Atlas.

First Year.

1. Lectures, four hours a week.

For 1907-8:—AUTHORS:—Cicero, pro Lege Manilia (Wilkins, Macmillan); Livy, Book V (Alford, Macmillan), chs. 15 to 55; Virgil, Aeneid IV (Sidgwick, Pitt Press).

COMPOSITION: North and Hillard's Latin Prose Composition (Rivingtons).

TRANSLATION AT SIGHT: Rivington's Class Books of Latin Unseens (Smith), Books I and IV.

ROMAN HISTORY: outlines, to 133 B.C. Book recommended, Botsford, History of Rome (Macmillan), chs. I to VI.

Additional work will be prescribed for advanced students. (See *Extra Courses* below).

Second Year.

2. Lectures, four hours a week.

For 1907-8:—AUTHORS: *Summer Reading*: Ovid, Metamorphoses XIII, lines 1 to 729 (Simmons, Macmillan). *Lectures*: Livy, Book II (Conway, Pitt Press); Virgil, Aeneid VI (Sidgwick, Pitt Press); Horace, Selected Odes (Wickham, Clarendon Press).

COMPOSITION: North and Hillard's Latin Prose Composition (Rivingtons).

TRANSLATION AT SIGHT: Alford's Latin Passages for Sight Translation (Macmillan).

ROMAN HISTORY: outlines, from 133 B.C. to 337 A.D. Book recommended, Botsford, History of Rome (Macmillan), chs. VII to XII.

Advanced students will take the work of the Ordinary Course, together with additional work to be prescribed. (See *Extra Courses* below).

Third and Fourth Years.

3. Lectures, four hours a week.

For 1907-8:—HISTORY AND LITERATURE: Roman History, from 133 to 31 B.C. The lectures will include a course of twelve hours on this period of history, and a course of twelve hours on Roman Literature to the death of Augustus.

AUTHORS: *Summer Reading*—Ovid, Tristia, Book I (Owen, Clarendon Press). *Lectures*: Cicero, Epistolae Selectae (text without notes, Watson, Clarendon Press), Letters 20 to 62; Cicero, pro Murena (Freese, Macmillan); Horace, Epistles, Books I and II (Wilkins, Macmillan).

COMPOSITION: Bryans, Latin Prose based on Cæsar (Macmillan), and passages to be selected.

TRANSLATION AT SIGHT: Rivingtons' Class Books of Latin Unseens (ed. Smith), Book X.

Honour Courses.

Third and Fourth Years.

4. Honours students of the third and fourth years will take the work of the ordinary course together with additional work, and will attend the ordinary lectures (except those from which they may be exempted under the regulation on p. 80), together with four hours a week of additional lectures. They will study privately such parts of the authors and subjects prescribed as are not covered by the lectures.

Additional work for Honours (1907-8): Authors (Third and Fourth Years):—Cicero, Epistolae Selectae (Watson), Letters 63 to 148; Cicero pro Sestio (Holden, Macmillan); Plautus, Captivi and Trinummus (Morris, Ginn & Co.); Lucretius (text, ed. Bailey, Script. Classic. Bibl. Ox., Clarendon Press), Selections.

(Fourth Year only), Catulli, Tibulli, Propertii Poemata Selecta (Wratislaw and Sutton, Bell). See *Extra Course* C below.

Composition: Passages to be selected.

Translation at Sight: Fox and Bromley, Models and Exercises in Unseen Translation (Clarendon Press).

(In 1908-9, the work of the third and fourth years will be arranged on the following lines:—*Ordinary.* History and Literature: Roman History from 31 B.C. to 180 A.D. The lectures will include a course on this period of history, and a course on Roman Antiquities. Authors: portions of Tacitus, Juvenal, and other writers of the Empire. *Additional for Honours*: further readings in Tacitus and other writers of the Empire.)

(*For Honour Courses in Classics, see also page 81*).

Extra Courses in Latin.

A. One hour a week: Monday, 4.15 p.m.

Composition and Translation at Sight. Text-books, Bradley's Arnold, and Fowler, Sportella.

B. One hour a week: Tuesday, 4.15 p.m.

Interpretation of a Latin Author. Text, Suetonius, Augustus (Peck, Holt & Co., New York).

Courses A and B are intended for Advanced Students of the First and Second Years; for Students of the Third and Fourth Years who wish to continue the study of Latin without taking it as one of their qualifying subjects; and for graduates, teachers and others. Advanced Students of the First and Second Years who attend Course A may, at the discretion of the Department, be exempted from attendance at the corresponding lectures of the Ordinary Course.

C. One hour a week: Wednesday, 4.15 p.m.

Interpretation of Latin Authors. Text, Selections from Catullus, Tibullus, and Propertius (Wratislaw and Sutton, Bell). Course C is intended for Advanced and Honour students of all years, graduates, teachers and others.

British School of Classical Studies at Rome.

McGill University is a contributor to the support of this School, which affords facilities for archæological and classical investigation at Rome. Graduates in Arts of McGill University are accordingly entitled to special advantages as regards tuition in the School.

Sanskrit.

(Omitted in 1907-8).

Lecturer:——————————

The two courses in Sanskrit are primarily intended for students who have passed the second year sessional examination, but permission may in certain other cases be obtained to attend the elementary course.

1. A. For beginners, the work mainly consisting in the mastering of the elements of Sanskrit Grammar with such composition as tends to fix in the mind the knowledge thus acquired. Etymological references will be frequently made and comparisons suggested in order at once to familiarize the language and give it an educational value in spite of the elementary nature of the course. This course counts as a half-course qualifying for the degree, and it is especially recommended to students attending the half-course in Comparative Philology.

Two hours a week.

1. B. For those students who have already passed through Course A or its equivalent in Sanskrit preparation; one hour per week is devoted to Lectures on Indian Literature, commencing with the Post Vedic Period. Two hours are devoted to reading selections; one hour to grammar and composition bearing especially on the texts read. Course B counts as one full course to the Final; courses A and B together, one and one-half, the student taking up Course B not being debarred thereby from repeating a course in another department.

Four hours a week.

Books required:—Perry, Sanskrit Primer; Whitney's Sanskrit Grammar; Lanman's Sanskrit Reader (Ginn & Co.). For reference: Sanskrit Literature, A. A. Macdonell (Heinemann).

Summer Readings.—A course of Summer Readings will be suggested according to individual needs. During the months of May and June the lecturer will be glad to give his personal supervision to students of Sanskrit and is prepared to give lectures if due notice is given.

Comparative Philology.

LECTURER:—S. B. SLACK, M.A.

A. The first part of the course on Comparative Philology will deal with the following subjects: the history of the Science of Comparative Philology; the Indo-Germanic languages and their classification and relation to one another; the primitive home and culture of the so-called Aryan people; the nature of compounds in Indo-Germanic; recent theories about Ablaut and its relation to the Indo-Germanic system of accentuation; the importance of Ablaut in explaining apparent irregularities of declension and conjugation; external Sandhi in the Indo-Germanic languages; and the influence of Analogy and Contamination in the formation of words. The lectures will then go on to discuss the various sounds of the primitive Indo-Germanic language, and the development of those sounds in the various languages of the Indo-Germanic family.

B. After Christmas, a study will be made of one of the less known Indo-Germanic languages, *e.g.*, Anglo-Saxon or

Gothic. Texts will be read with grammatical comments. The intention of the Course is to illustrate the methods of the scientific study of language.

N.B.—If students desire it, it is possible that the A course may be omitted altogether during the Session 1907-8, and the B course carried on for the whole year from September to April. Definite information about this will be given at the beginning of the session.

DEPARTMENT OF ENGLISH.

PROFESSOR:—CHAS. E. MOYSE, B.A., LL.D.
PROFESSOR OF COMPARATIVE LITERATURE AND ASSOCIATE PROFESSOR OF ENGLISH:—P. T. LAFLEUR, M.A.
LECTURER:————————
TUTOR AND LECTURER:—SUSAN E. CAMERON, M.A.
Vice-Warden of the Royal Victoria College.

ORDINARY COURSES.

First Year.

1. A. ENGLISH COMPOSITION.—The course will be of a practical character. Regular essays are required of all students. One hour a week.

1. B. ENGLISH LITERATURE.—The course will consist of a study of representative English writers. One hour a week.

1. C. HISTORY.—For course, see under History, page 122.

For affiliated colleges, in place of the above:—Halleck's History of English Literature (American Book Co.) pp. 1-304; with the following readings:—Chaucer, Prologue to the Canterbury Tales; Spenser, Faerie Queene, Book I; Milton, Comus; Johnson's Lives of the Poets, Dryden and Pope; European History (G. B. Adams, Macmillan). Regular practice and instruction in composition are strongly recommended.

Second Year.

2. A. LITERATURE.—English Prose from Bacon to Burke. Three hours a week before Christmas, with the following special readings: — Bacon: Essays of Truth, of Unity in Religion, of Revenge, of Atheism, of Travel, of Friendship, of Plantations, of Building, of Studies; Browne: Religio Medici; Milton: Areopagitica; Defoe: A Journal of the Plague Year; Swift: A Tale of a Tub; Steele and Addison: The Tatler and the Spectator, *passim;* Goldsmith: The Citizen

of the World. Craik's Prose Specimen and Chambers's Cyclopedia of English Literature (new ed.) may also be used.

English Prose in the Nineteenth Century. Three hours a week after Christmas. The course is a continuation of that followed in the first term and will include representative prose writers from Jeffrey to Leslie Stephen. Readings will be prescribed from the essays of Lamb, DeQuincey, Carlyle, Ruskin, Froude, Arnold and others. Prof. Lafleur and Miss Cameron.

2. B. COMPOSITION.—Continuation of 1 A.

Fortnightly Essays will be required and will be taken into account in determining the standing of students at the end of the session. One hour per week.

This course is obligatory on all second years students.

For affiliated colleges:—Halleck's History of English Literature, pp. 305-480, and Nineteenth Century Literature (Cunliffe and Cameron, Copp, Clark Co.). Continued work in composition is strongly recommended.

Third Year.

3. A. ENGLISH LITERATURE.—Shakspere.—This course will begin with a review of the early history of the English drama, and of the conditions which led to its development in the time of Elizabeth. The advances made by the earlier Elizabethan dramatists will be noted, and Shakspere's methods illustrated by a comparative study of A Midsummer Night's Dream, Romeo and Juliet, Henry V, As You Like It, Hamlet, King Lear, Macbeth, and The Tempest; the relation of these plays to their sources will also be considered. Students are recommended to read as many of Shakspere's plays as they can, and to give special attention to those mentioned above. Two hours a week. Dr. Moyse.

3 B. A course on Poetry and the Drama. England from 1660 to 1789, with special and detailed reference to changes in literary ideals and expression during the period discussed. The lectures will include poets, from Dryden to Crabbe; dramatists, from the writers of Heroic plays to Sheridan. Students will be called upon to pay special attention to the following works: Dryden, Absalom and Achitophel; Pope, Selections from the Essay on Man, and The Rape of the Lock; Thomson, The Seasons (one book); Cowper, The Task (one

book); Crabbe, The Borough (four divisions); Dryden, Essay on Dramatic Poesy; Addison, Cato; Goldsmith, She Stoops to Conquer; Sheridan, The School for Scandal. Two hours a week. Prof. Lafleur.

3. C. ENGLISH COMPOSITION.—An advanced course on English Composition, including style, methods and principles of literary criticism treated from the historical point of view, and an introduction to the comparative study of literature in accordance with the most recent results of contemporary thought and research. In connection with this course students will be examined in a course of prescribed readings. Essays at stated periods are required of all.

Books of reference and authorities:—Saintsbury's History of Criticism; Lessing, Sainte-Beuve, Brunetière, Arnold, Ruskin, Worsfold. One hour a week. Prof. Lafleur.

Fourth Year.

4. A. ENGLISH LITERATURE.—A Course on the Leading Poets of the Nineteenth Century. The chief aspects of the French Revolution will be considered, and Republican feeling in England illustrated chiefly from the works of Wordsworth, Coleridge and Southey. The indirect revolutionary poets Byron and Shelley will then be considered, and their typical poems, together with those of the poets already mentioned, critically examined. The remainder of the course will be given to Scott, Keats, Tennyson, Browning, Matthew Arnold and Swinburne. Two hours a week.

The poems which have been selected for private reading will be announced at the commencement of the session. Dr. Moyse, Prof. Lafleur and Miss Cameron.

4. B. A general course on the history of English Prose Fiction from Richardson to the middle of the nineteenth century, treating of the various forms successively given to English novels during the period, and the influences that stimulated or otherwise affected such productions. While students are expected to show particular knowledge of English masterpieces in this kind, frequent reference to cognate works by continental writers will also demand some familiarity with contemporary European literature. Portions of the following works will be selected for detailed study and discussion: Richardson, Clarissa Harlowe; Fielding, Amelia; Goldsmith,

The Vicar of Wakefield; Godwin, Caleb Williams; Walpole, The Castle of Otranto; Thackeray, Henry Esmond. *Books of reference*:—Raleigh, The English Novel; Dunlop, History of Fiction; Cross, The Development of the English Novel. Two hours a week. Prof. Lafleur

4. C. English Composition.—The statement respecting 3 C (p. 103) indicates the method and character of this course, which is regarded as a continuation of the course in the Third Year.

Honour Courses.

Third Year.

In addition to the ordinary work of the third year, Honour students will take the following, together with courses 9, 10, 11, and 12 (page 105):—

5. English Language. Two hours a week. Sweet, Anglo-Saxon Reader, Extracts (all the Prose); XX, XXI, XXIII, XXVII; Wright, Primer of the Gothic Language, The Gospel of St. Mark (Clarendon Press). (The use of Braune, Gotische Grammatik is recommended). Dr. Moyse.

Fourth Year.

Honour students in the fourth year will select Language or Literature.

Language Students will take the following special courses in addition to 4A, 4B, and 4C:—

6. Anglo-Saxon.—The whole of Béowulf will be read in class and illustrated by notes on origins, philology and textual emendations. *Text-Book*: Harrison and Sharp's Béowulf (Ginn). Students will read selected portions of other poems for examination. Anglo-Saxon prose will be studied mainly in the translation of Gregory's Pastoral Care and Ælfric's Homilies. Students will be guided in the examination of dialectal texts and referred to important articles in periodical literature dealing with that subject and also with the field of Anglo-Saxon generally.

Two hours per week. Dr. Moyse.

7. Middle English. — The course is intended to give a knowledge of dialectical English and to illustrate the changes the language has undergone. The texts given in Morris's Specimens of Early English, Part I, and Morris and Skeat's

Specimens of Early English, Part II, may be regarded as the chief material for study. A list of books of reference and of important monographs will be given at the commencement of the course. Two hours a week. Dr. Moyse.

Two hours a week.

8. Mœso-Gothic.—The course on Mœso-Gothic is intended to open the way to the comparative study of allied Teutonic languages. Particular attention will be given to the phonological relations of Mœso-Gothic and Anglo-Saxon. *Text-Books*: Wright, Primer of the Gothic language; Ulfilas (Heyne). Dr. Moyse.

Honour Students selecting Literature will take the following, in addition to the ordinary work of the Fourth Year, and one hour a week in Language (Anglo-Saxon).

9. Comparative Literature.—A course of lectures on the influence of English literature upon the continent of Europe, chiefly during the eighteenth and nineteenth centuries. The treatment discusses mainly the historical development of ideas, but examines also corresponding modifications regarding literary method and form.

Voltaire, Letters concerning the English Nation; Elton, The Augustan Age; Texte, Jean Jacques Rousseau and the Cosmopolitan Spirit in Literature (tr. Matthews); Brunetière, L'Evolution des Genres. Two hours a week. Prof. Lafleur.

10. English Prose from Dryden to Burke. Details and readings to be announced at the beginning of the session. Prof. Lafleur.

11. American and Canadian Literature. A historical and critical outline of English Literature in the New World. Two hours a week. Miss Cameron.

12. Tennyson (Continuation) and Minor Poets of the Nineteenth Century. One hour a week.

For examination: Maud and the Idylls of the King. Readings from minor poets will be announced at the beginning of the session. Dr. Moyse.

Any of the above Honour Courses may be taken as an ordinary course with the approval of the Faculty, provided that the time-table allows of such substitution.

DEPARTMENT OF MODERN LANGUAGES.

PROFESSOR:—HERMANN WALTER, M.A., PH.D.
ASSOCIATE PROFESSOR:—LEIGH R. GREGOR, B.A., PH.D
ASSISTANT PROFESSOR:—J. L. MORIN, M.A.
ASSISTANT PROFESSOR AND TUTOR (ROYAL VICTORIA COLLEGE):—
MLLE MILHAU, LIC. UNIV. FRANCE.
LECTURER:—E. T. LAMBERT, B.A.

A.—French.

Owing to the position which this University occupies in the midst of a very large French-speaking population, there is a permanent demand for courses of a practical, conversational character; for the same reason the Department profits by the co-operation of French church services, French family life, French newspapers, French theatres, French literary clubs, and public lecture courses in the French language.

In drawing up the following dual courses endeavours have been made to meet the special needs of the professional men of the Province of Quebec (every student being given the opportunity to learn to speak French), and also to provide for the maintenance of scientific methods. In Courses 1 and 3, the study of grammar and literature is carried on in accordance with the usual academic traditions, the French language being, however, largely used in class instruction. In Courses 2 and 4, the method of teaching is of a more practical character; the French language only is used, and the texts prescribed are made the subject of conversation, analysis, résumés, etc. In the third and fourth years all lectures are given and all studies carried on in French.

Honours may be taken in French and German together or in Latin and French or in Latin and German. (See page 82).

ORDINARY COURSES.

First Year.

1. Borel, Grammaire Française (Holt and Co.); Sandeau, Mlle. de la Seiglière (Holt); Super, Histoire de France (Holt).

2. Daudet, Selected Stories (A. B. Co.); Lamartine, Scènes de la Révolution Française (Heath & Co.); Pailleron, Le monde où l'on s'ennuie (Jenkins); French Poems.

The examinations for the students of Affiliated Colleges will include the whole of courses 1 and 2. Equivalents for the oral work and the oral examination will be stated on application.

Four hours weekly, two for each course.

Second Year.

SUMMER READINGS for students entering on their second year:—Corneille, Cinna (Holt); Daudet, Le Petit Chose (Heath).

The examination on Summer Readings will be held in the first week of the session.

SESSIONAL LECTURES.—

3. Borel, Grammaire Française (Holt and Co.); Corneille, Horace (Holt); Vigny, Servitude et Grandeur Militaires; Elementary Historical French Grammar.

4. Mansion, Esquisse de la Littérature Française (McDougall, London); Racine, Andromaque (Holt); Molière, L'Avare (Heath & Co.); Taine, Origines (Holt); French Poems.

The examination for the students of Affiliated Colleges will include the whole of Courses 3 and 4. Equivalents for the oral work and the oral examination will be stated on application.

Four hours weekly, two for each course.

For Honour students an additional hour will be provided for the purpose of further study.

Third and Fourth Years.

The courses will consist mainly in the study of French Literature and Advanced Prose Composition.

SUMMER READINGS for students entering on the Third or Fourth Year:—Beaumarchais, Barbier de Séville (Clarendon Press); Chateaubriand, René (Biblothèque Nationale).

The examination on Summer Readings will be held in the first week of the session.

SESSIONAL LECTURES:—

5. For 1907-1908:—Literature in the XVIIIth and XIXth Centuries. Lesage, Gil Blas (Heath and Co.); Marivaux, Le Jeu de l'Amour et du Hasard; J. J. Rousseau, Selections;

Voltaire, Mérope; Victor Hugo, Ruy Blas; Musset, Selections (Ginn and Co.); Balzac, Eugénie Grandet; Rostand, Princesse Lointaine.

Prose Composition.—Spiers, Graduated Course of Translation into French Prose (Simpkin, Marshall and Co., London).

6. For 1908-1909:—Literature up to the end of the XVIIth Century. Corneille, Polyeucte; Racine, Les Plaideurs, Iphigénie; Molière, Le Misanthrope; Boileau, Choix d'Epîtres et de Satires; La Bruyère, Selections; Madame de la Fayette, La Princesse de Clève.

Prose Composition:—Spiers, Graduated Course of Translation into French Prose (Simpkin, Marshall and Co., London).

N.B.—In order to be admitted to the Third Year French a student must understand French well enough to take lectures delivered in French.

Four hours weekly.

Honour Courses.

Third and Fourth Years.

The work of the Honours Classes in French is divided into three sections. The First includes the historical study of the French language, the Second, the History of French Literature, the Third, French Composition. The First and Second Sections are taken up in alternate years, the Third annually. Students of the third and fourth years take lectures together. In order to obtain Honours, candidates must be able to speak French fluently.

7. Philology (1907-1908):—Students will use Schwan's Altfranzösische Grammatik (revised by Behrens), Darmesteter's Cours de Grammaire Historique, Nyrop's Grammaire Historique and Bartsch, Chrestomathie de l'Ancien Français.

Three hours weekly.

8. History of Literature (1908-1909). Two hours weekly.

9. Composition. One hour weekly.

Students will take in their Third Year as part of their Honour Course in Modern Languages that part of the Course

on Comparative Philology which deals with the general principles of linguistic development.

N.B.—Before entering on their Third Year Course, Honour Students are expected to have read the following:—Corneille, Le Cid, Horace, Cinna, Polyeucte; Racine,—Andromaque, Britannicus, Phèdre, Athalie; Molière,—Ecole des Femmes, Misanthrope, Tartuffe, Le Bourgeois Gentilhomme, Les Femmes Savantes; Boileau,—L'Art Poétique; except when these texts are part of the readings prescribed for the Ordinary Course in the Third or Fourth Year.

(*For Honour Courses in Modern Languages, see also page 82*).

B.—German.

Ordinary Courses.

Beginners Course.

1. The Joynes-Meissner German Grammar (Heath and Co.); Joynes, German Reader (Heath and Co.); Meissner, Aus deutschen Landen (Holt); Riehl, Der Fluch der Schönheit (Holt); Schiller, Maria Stuart (Holt and Co.); Wildenbruch, Harold (Heath and Co.).

A tutorial class conducted during May and June enables students to overtake work not completed by the close of the Winter Session. Students intending to proceed to the second year are required to take this class, or, if exempted by the Faculty, to take a supplemental examination in September.

Four hours weekly.

First Year.

2. The Joynes-Meissner German Grammar (Heath and Co.); Horning, German Composition; Riehl, Der Fluch der Schönheit (Holt); Freytag, Die Journalisten (Ginn); Schiller, Maria Stuart (Holt and Co.); German and French Poems (Holt and Co.).

Four hours weekly.

The examination for the students of Affiliated Colleges will, in addition to the above, include equivalents for the oral examination, which will be stated on application.

Second Year.

Summer Readings for students entering on their second year:—Schiller, Die Piccolomini (Holt).

The examination on Summer Readings will be held in the first week of the session.

3. SESSIONAL LECTURES. — The Joynes-Meissner German Grammar; Horning, German Composition; Schiller, Wilhelm Tell (Holt); Goethe, Hermann und Dorothea (Ginn); Freytag, Karl der Grosse (Holt); Keller, Bilder aus der Deutschen Literatur (American Book Co.), edition 1905.

Four hours weekly.

For Honour students an additional hour will be provided for the purpose of further study.

The examination for the students of Affiliated Colleges will, in addition to the above, include equivalents for the oral examination which will be stated on application.

Third and Fourth Years.

SUMMER READINGS for students entering on their third or fourth year: — Grillparzer, Der Traum ein Leben (Heath); Stifter, Das Heidedorf (Am. Book Co.).

The examination on Summer Readings will be held in the first week of the Session.

4. (For 1907-1908):—Lessing, Dramaturgie (Selections); Lessing, Nathan (Am. Book Co.); Gœthe, Iphigenie (Pitt Press); Schiller, Wallenstein's Tod; Keller, Legenden (Holt and Co.).

Translation of prose passages from English into German; History of German Literature (up to 1750).

Four hours weekly.

5. (For 1908-1909:—Biedermann, Deutsche Bildungszustande im 18; Jahrhundert (Holt); Schiller, Die Braut von Messina (Holt); Kleist, Prinz Friedrich von Homburg (Ginn & Co.); Sudermann, Der Katzensteg (Heath & Co.); Heine, History of German Literature (1750-1856).

Four hours weekly.

HONOUR COURSES.

Third and Fourth Years.

The work of the Honour Classes in German is divided into three Sections. The First includes the historical study of the German Language; the Second, the History of German Literature; the Third, German Composition. The First and Second

Sections are taken up in alternate years; the Third, annually. Students of the third and fourth years take lectures together. Language in German is taken up in the same session as Literature in French, and *vice versa*. The German Language alone is used in class instruction.

In order to obtain Honours, candidates must be able to speak German fluently.

6. HISTORY OF LITERATURE. (For 1907-1908:—(*a*) German Literature from 1856 to the present time; (*b*) Gœthe's Faust.

Each one hour weekly.

7. PHILOLOGY. For 1908-1909:—A general outline of the development of the German Language and a special study of the Middle High German period, its language and literature.

The following books will be used:—Bachmann, Mittelhochdeutsches Lesebuch (Faesi and Beer, Zurich); F. Kaufmann, Deutsche Grammatik; Behaghel, Die Deutsche Sprache; Wright, Middle High German Primer (Clarendon Press).

Three hours weekly.

8. COMPOSITION: — Perini, Extracts in English Prose (Hachette).

Students will take as part of their Honour Course in Modern Languages that part of the Course on Comparative Philology which deals with the general principles of linguistic development.

N.B.—Before entering on their third year course, Honour students are expected to have read the following:—Lessing,—Minna von Barnhelm or Nathan der Weise, Emilia Galotti, Schiller,—Wilhelm Tell, Maria Stuart, Jungfrau von Orleans, Wallenstein, Ballads; Gœthe, — Gœtz von Berlichingen, Egmont, Hermann und Dorothea, Faust I, Poems; except when any of these texts are part of the readings prescribed for the Ordinary Course in the third or fourth year.

(*For Honour Courses in Modern Languages, see also page 82*).

Italian.

LECTURER:—LEIGH R. GREGOR, B.A., PH.D.

For 1907-08.

Third Year.

The following course, given in alternate years, is intended for students who have passed the Sessional Examination of the second year. Partial students who wish to join the class must give satisfactory evidence of their ability to keep up with the undergraduates.

Grandgent, Italian Grammar (Heath & Co.); Grandgent, Italian Composition (Heath & Co.); De Amicis, Selections from Il Cuore; Manzoni, Selections from I Promessi Sposi; selections from the Divina Commedia; Notes on some of the great names of Italian Literature.

Spanish.

LECTURER:—J. L. MORIN, M.A.

First Year.

Hill and Ford, Spanish Grammar (Heath); Matzke, Spanish Readings (Heath); Valera, El Pajero verde (Ginn); Moratin, El si de las ninas (Ginn); Galdos, Doña Perfecta (Ginn).

Four hours weekly.

DEPARTMENT OF ORIENTAL (SEMITIC) LANGUAGES AND LITERATURE.

LECTURER:—REV. C. ALEXANDER BRODIE BROCKWELL, B.A., (Oxon.), M.A. (Kings, N.S.).

The courses are constructed with a view to providing students with a thorough knowledge of a limited portion of the Semitic field and a general acquaintance with the entire range of the same; including some of the leading contributions of the Semitic world to Western thought and culture; with a view, too, to enabling students who have taken high honours to pursue, unaided, in much fuller detail, a number of the more interesting and important questions arising out of Semitic literature and civilization.

The Ordinary Course is especially designed to meet the needs of the younger theological student, but the Honour Courses,

while covering much more ground than the Ordinary course, include most of the work prescribed for it.

There is only one option in the Ordinary course, *i.e.*, B. 3, but for Honours students have a choice of one of three courses: in the first of which Hebrew, in the second Arabic, and in the third Aramaic and Syriac, forms the main study. Each one of these courses includes also, in addition to the main language, the study of the history and literature connected with the same; and one special language; and one special subject. A thesis will be written in the fourth year, on the special subject, under the direction of the lecturer.

Pointing in the different systems, sight translation and the writing of proses, and essays on important questions of philology, history, and literature form a marked feature of the work.

In the early stages the inductive method is largely employed, the intricacies and complexities of grammar and syntax receiving more particular attention as the course advances.

In all the courses some knowledge of comparative grammar is required.

N.B.—The present scheme is subject to modification.

Ordinary Course.

A. Hebrew.—1 Classical. (*a*) Prose: Genesis 1-11; I Kings, caps. 17, 18, 19, 21; and 2 Kings, caps. 1 and 2; and Judges, cap. 4. (*b*) Poetry: Psalms 1-15; and Judges, cap 5. (*c*) Wisdom; Proverbs 1-9.

2. Post-Biblical. Mishnah Tract., *i.e.*, Pirke-Aboth, caps. 1-4.

3. Mediæval. Kimchi's commentary on the Psalms, 1-10.

B. Aramaic and Syriac.—1. The Aramaic of the Bible, and the Targum of Onkelos on Genesis 1-11.

2. Syriac of Psalms 1-10 (Peshitto version) and the Syriac names and sentences incorporated in the Greek of the New Testament.

3. Instead of either 1 or 2, as above, elementary Arabic with the Arabic version of the Book of Jonah may be substituted.

C. Characteristics and Canons of Hebrew and Aramaic Literature.

D. Brief outlines of Semitic History, with reference to recently discovered documents.

Lectures.

Second Year. A. 1, (*a*), and B. 1, or B. 3.

Third Year. A. 1, (*b*), and A. 2, and B. 2, (or B. 1 or B. 3, if not previously taken) and C.

Fourth Year. A. 1. (*c*) and A. 3, and a continuation of the two languages chosen from B. 1-3 and D.

Honour Courses.

Either 1. Hebrew Course.

1. *Hebrew Texts*:—Genesis 1 and 2, and 1 Kings, 17, 18, 19, 21; 2 Kings 1-2; Judges 4; Jonah; the Poems of Gen. 49, 1-27; Exod. 15; Numb, 21, vs. 14-18, 27-30; 23, vs. 18-24; 24, vs. 3-9 and 15-24; Deut., chs. 32 and 33; Judges, 5; I Sam., 2, vs. 1-10; and 2 Sam., ch. 1, vs. 18-27; Psalms, 1-15; Proverbs, 1-9. A Mishnah Tract i.e. Pirke-Aboth; and Kimchi on Psalms 1-10.
2. *History of the Jews* (outlines), general and literary, from B.C. 400 to A.D. 500.
3. *Special language*: one only of the following.

   (1) *Arabic.*— Texts:— Socin's Arabic Grammar, pp. 30-55; The Arabic vs. of Jonah; and the following suras of the Koran version, i.e. the Introduction No. 1; and the Creator, 35; the Kingdom, 67; the Resurrection, 75; and the Unity of God, 112.

   (2) *Aramaic.*— Texts as in the Ordinary Course, *i.e.*, B. 1 and 2, with the addition of St. Matthew's Gospel (the Sermon on the Mount) in the Syriac v.s.s.

   (3) *Phoenician and Neo-Punic, and Moabitish,—i.e.*, all the principal inscriptions and a general knowledge of the history, the sacrificial system, and theology of the same.

   (4) *Ethiopic.*—Grammatica Aethiopica, by Praetorius, and the Ascension of Isaiah (text of Charles).

4. SPECIAL SUBJECT. One of the following:—

(1) *Semitic Epigraphy*, including the history of the alphabet, and all the principal inscriptions in Phœnician, Neo-Punic, Moabitish, old Aramaic, Nabathean, Palmyrene, and with special reference to those in Hebrew;
(2) *Primitive Religion and folklore, especially of the Northern Semites.*
(3) *Hebrew Poetry*;
(4) *History of the Talmud*;
(5) *Jewish Literary History*, from A.D. 500 to 1300.
(6) *Phoenician History, Commerce and Civilization.*

Or, 2. ARABIC COURSE.

1. ARABIC TEXTS:—Socin's Arabic Grammar, pp. 30-35; The Koran, suras 1, 35, 47, 63, 75, 91, 92, 106 and 112; El-Fakhri, pp. 88-100.

2. History (general) of the Caliphate, and growth of Arabic rule.

3. SPECIAL LANGUAGE:—One only of the following:—

(1) *Hebrew.*—(as in the ordinary Hebrew course, *i.e.*, A. 1, 2, and 3.
(2) *Aramaic.*—(as in Hebrew Honours course 3. (2).
(3) *Phoenician and Neo-Punic.*—as in Hebrew Honours course 3. (3).
(4) *Ethiopic.*—(as in Hebrew Honours course 3. (4)).

4. SPECIAL SUBJECT.—One of the following:

(1) *Semitic Epigraphy.*—See Hebrew Honour course 4. (1), but with special reference to Arabian inscriptions;
(2) *History of Arabic Literature;*
(3) *Arabian contributions to Western civilisation and culture.*
(4) *The Structure, contents, and Ethics of the Koran*;
(5) *Arabic Poetry.*
(6) *Primitive Religion, and folk-lore, especially of the Southern Semites.*

Or 3. ARAMAIC AND SYRIAC COURSE.

1. *Aramaic Texts.*—Onkelos on Genesis 1-20, and 49; Targum of Jonathan on Isaiah, 40-50; Babylonian Talmud (Lederer's Lehrbuch, heft, 2, Pressburg, 1887) and the Aramaic portions of the Old Testament.
   Syriac Texts.—The Syriac hymn of the Soul; St. Ephraem's Treatise, pp. 21-37 (Overbeck's Edition); Julian the Apostate, pp. 5-15 (Hoffmann's Edition); Genesis 49, in the Peshitto v.s.; and the Syriac v.s.s. of St. Matthew's Gospel (the Sermon on the Mount).
2. *History (general) of the Aramaeans,* political and literary, from the earliest times.
3. SPECIAL LANGUAGE:—One of the following:—
   (1) *Hebrew.*—See the Ordinary Hebrew course, *i.e.,* A. 1, 2 and 3.
   (2) *Phoenician, Neo-Punic and Moabitish.*—See Hebrew Honours course, *i.e.,* 3. (3);
   (3) *Arabic.*—See Hebrew Honours course, 3. (1);
   (4) *Ethiopic.*—See Hebrew Honours course, 3. (4).
4. SPECIAL SUBJECT.—One only of the following:—
   (1) *The History of Syriac Literature.*
   (2) *The Value and Relation of the Aramaic Dialects.*
   (3) *The Influence of the Aramaeans upon religion, art and commerce in pre-Christian times;*
   (4) *Semitic Epigraphy,* as above, but with special reference to Aramaic;
   (5) *Syriac Poetry and Metres;*
   (6) *Influence of Aramaic and Syriac on Jewish and Christian Theology.*

DEPARTMENT OF PHILOSOPHY.

PROFESSORS:—{ W. CALDWELL, M.A., D.Sc.
A. E. TAYLOR, M.A.

ASSISTANT PROFESSOR OF PSYCHOLOGY AND LECTURER IN PHILOSOPHY:—
J. W. A. HICKSON, M.A., PH.D.

The courses in this department are designed to meet the wants of students in the Faculty of Arts, of students in the professional schools and of partial students.

In addition to regular and continuation courses short sets of study or lecture-courses are given from time to time. See e.g. Course 14, or Courses 6A, 6B.

In all the ordinary courses such topics as the subject of Scientific Method, the relation of Ethics to legal and social questions, the relations of Psychology and Philosophy to Education, etc., are definitely kept in view.

Attention is drawn to the fact that it is now possible for students (graduate and others) to specialise in Psychology as well as in Mental and Moral Philosophy.

Ordinary Courses.

Second Year.

1A. Psychology. Text-book:—James, Psychology, Briefer Course, pp. 1-279, omitting chs. 7, 14, 15.

This course will include a general account of sensation, with special illustration by reference to the sensations which are of pre-eminent importance for the purposes of practical life (sight, hearing, contact, movement). This will be followed by a general outline sketch of the functions of the central nervous system and particularly of the higher brain-centres, as the physiological correlates of mental activity. The nature of Habit and its importance for mental life will next be studied, and will be followed by an examination of the leading features of the concrete stream of actual mental life and the principal constituents of the self. The course will conclude with a study of attention and association. Occasional essays will be prescribed. Three hours weekly throughout the first term of the session.

1B. Formal Logic.—In the second term a course in Formal Logic and Fallacies. Text-book: S. H. Mellone, Introductory Text-Book of Logic, chs. 1-3, 4 (§§ 1-3), 5-7 (omitting ch. 6, §§ 8-11), 10. The course will embrace an outline of the general formal principles of valid reasoning, with frequent illustrations of their application to actual discussion. This will be followed by more detailed examination of the types of fallacious reasoning most commonly perpetrated in literature and daily life. Weekly exercises will be set and will form an important feature of the course. Three hours weekly.

Third or Fourth Year.

2A. Moral Philosophy.—In the first term a course on the Outlines of Ethical Theory. The following topics—among others—will be treated of by means of short sets of lectures, study-notes, private reading, exercises, discussion, etc.:—the phenomena of the moral life in the individual and in the race; the postulates of ethical science; the relations of Ethics to the sciences, to law, politics, education, etc.; theories of conscience and the moral standard; ancient and modern conceptions of Moral Philosophy; the Ethics of idealism and the Ethics of evolution; the theory of moral progress.

2B. In the second term a course on the problems of Social Philosophy and Applied Ethics.

Short sets of lectures will be given upon the following topics: Ethics and the sociological movement of recent years; biological and psychological theories of society and of social progress; the Ethics of the social questions; the Duties and the Virtues; the unity of the moral life; moral pathology; moral training; the ethical problem of the present.

Some modern manual will be used for purposes of class-room discussion, but the student will constantly be referred to the literature of the subjects treated, and to sources of independent investigation.

The course will be varied from year to year according to the needs of the subject and those of the students.

Four hours per week.

For a continuation course, see either 5A, 5B, or 9 with 7 or 12.

3A. General Course in Psychology, analytic and experimental.—An attempt will be made to indicate the most important topics of modern psychological inquiry and to illustrate and test some of the results reached by leading investigators. Among the problems to be discussed will be: — Association, perception, imagination, illusions, memory, perception of time, perception of space and of external reality, instinct, the emotions and will, hypnotism and subliminal consciousness, theories concerning the relation of mind and body.

3B. (Continued throughout the session.)

Books recommended: James, Principles of Psychology; Stout's Manual of Psychology, Ebbinghaus, Grundzüge der

Psychologie, Murray's Introduction to Psychology, Strong's Why the Mind has a Body, Titchener's Manual of Experimental Psychology.

Four hours a week throughout the session.

4. Logic and Metaphysics. — Preliminary study of Bosanquet's Essentials of Logic. Discussion of the relation between Logic, Metaphysics and Psychology; the ultimate presuppositions of inference; the more important inductive methods of experimental science (as *e.g.* in Mill's *System of Logic*); the relation between existence, knowledge, and truth. The course thus aims at being at once a continuation of the second year course 1B and an introduction to the problems of Metaphysics and the Theory of Knowledge which are pursued further in courses 10 and 13.

Four hours a week throughout the session. May be given in alternate years with course 5.

Books of reference:—Bosanquet, Logic; Bradley, Principles of Logic; Mill, System of Logic; Jevons, Principles of Science; Hobhouse, Theory of Knowledge; Lotze, Logic; Sigwart, Logic; Venn, Empirical Logic; Taylor, Elements of Metaphysics.

Fourth Year.

5A. History of Modern Philosophy.

First Term: From the Renaissance to Kant.

Fours hours a week.

5B. Second Term:—From Kant to the Present Time.

Books of Reference: — Falckenberg's History of Modern Philosophy; Höffding's History of Modern Philosophy (2 vols., translated by Meyer); Adamson's Development of Modern Philosophy.

Four hours a week.

Here and in other courses students are requested to procure some of the cheap texts in the *Open Court Pub. Co.* Series of *Philosophical Classics.*

ADVANCED COURSES.

Second Year.

6A. Introduction to Philosophy.—Study of some easy pieces of typical philosophical literature such as Descartes' "Discourse on Method," Berkeley's "Dialogues," Plato's "Phædo,"

Spencer's "First Principles." Lecture notes upon the same and upon the general outlines of philosophy. This course is designed to start students upon the work of intelligent philosophical reflection and will not in the first instance entail an undue amount of work on their part. It will be adapted to the needs of beginners in philosophy whether undergraduate or partial students.

One hour a week throughout the session.

6B. An Introduction to Psychophysics. — This course will be supplementary to 1A. After a careful discussion of the various views regarding the localization of brain functions, the Weber-Fechner law will be investigated by the different psychophysical methods. The psychophysical theories of light and sound sensations put forward by Helmholtz, Hering, Meyer and others will be compared; and some experiments in reaction-time will probably be made. No text-book is prescribed, students being referred to different authors according to the problems investigated.

One hour a week throughout the session.

Honour Courses.

Third Year.

Honour students will take the ordinary course of the fourth year (5A and 5B) and, in addition, the following:

7. A course in Greek Philosophy. Students are expected to make an independent study of the fragments of one of the early philosophers, and to write an essay embodying the results of their study.

Pre-Socratic Physicists in Ionia, Italy and Sicily. The Athenian Period, and the rise of systematic Logic, Ethics and Psychology: Socrates, Plato, Aristotle. General diffusion of Philosophy over ancient life as a rule of conduct: Stoicism, Epicureanism, Scepticism.

Books of Reference:—Zeller, History of Greek Philosophy; Windelband, History of Ancient Philosophy; Burnet, Early Greek Philosophy; Ritter and Preller, Historia Philosophiæ Græcæ; E. Wallace, Outlines of the Philosophy of Aristotle; Taylor, Aristotle on his Predecessors.

Two hours weekly.

8. Plato and Aristotle. In this course it is expected that some work of each of these thinkers will be read.

Books prescribed for 1907-08:—Plato, Phaedo; Aristotle, Metaphysics, Bk. A. Two hours weekly.

Courses 7 and 8 will be given in alternate years.

9. The Philosophy of Kant.—Lectures, study notes, and discussions of the writings of Kant, with a study of Kant's influence upon philosophy. The various translations of Kant or of portions of Kant's writings (Watson's *Selections* e.g.) will be used, with use of the German text where possible. Two hours weekly throughout the session. May be taken with 7 or 8 to make a four-hour course.

10. Psychological Seminary.—During the session of 1907-8 the problem of spatial perception with experiments will form the subject of investigation. This work is for students who have already taken or are taking Psychology 3 A, 3 B. One hour weekly.

Fourth Year.

11. Advanced Formal Logic.—Limitation and defects of traditional Aristotelian Formal Logic; difficulties in traditional doctrines of Immediate Inference; the existential import of Propositions; defects of the Aristotelian syllogism; non-syllogistic forms of Inference; reasoning from mathematically definite premises; the Logic of extension: Jevons's Equational Logic, modern Symbolic Logic, outlines of the Algebra of Logic.

One hour a week.

Books of reference recommended:—Boole, Laws of Thought; Jevons, Principles of Science and Studies in Deductive Logic; Keynes, Studies in Formal Logic; Venn, Symbolic Logic.

12. Problems of Comparative Psychology, including some chapters of Child Psychology. Students undertaking this course must have already taken Psychology 3 A, 3 B, or show that they have done its equivalent. One or two hours weekly.

13. Advanced Moral Philosophy.—Designed to meet the wants of students who have taken course 2, or who are otherwise competent to undertake the study of the more important works (Classical or Modern) upon the theory of morals, or

to pursue the study of special questions in Ethics and Social Philosophy.

As a rule a careful study will be undertaken of the following works:—Aristotle's Ethics, Green's Prolegomena to Ethics, Sidgwick's Methods of Ethics, along with prescribed portions of writers like Spencer, Stephen, Martineau, and others. Special topics, however, (both in Theoretical and Applied Ethics) will also be prescribed for investigation and discussion, and the course will be varied from year to year to suit the needs and the capacities of students. It may occasionally be applied to suit the needs of advanced students in other departments, such as Classical or Modern Literature, Political Economy, Biology, History. Two hours weekly throughout the session.

14. Topics in Philosophy.—Independent and detailed study of such questions in philosophical science as may, from time to time, seem to require specialised treatment. Such topics as the following may be considered:

Systematic thinkers of the Seventeenth Century; the English Utilitarians; some Cosmological Problems of the present time; the Philosophy of Evolution. Two hours a week.

Graduate study and Seminary Work may be undertaken in connection with any of the more advanced of the above courses, *e.g.* Nos. 9, 10, 11, 12, 13, 14. All such work, however, will as a rule depend upon the previous training of the student, and upon his capacity for original research under the personal guidance of members of the Department.

Fourth year students are expected to present an essay or thesis to be approved by the Department.

(*For Honour Courses in Philosophy, see also page 83*).

DEPARTMENT OF HISTORY.

PROFESSOR:—CHARLES W. COLBY, M.A. PH.D.
ASSOCIATE PROFESSOR:—STEPHEN B. LEACOCK, B.A., PH.D
LECTURER:—CHARLES E. FRYER, M.A. PH.D.
TUTOR:—ETHEL HURLBATT, M.A., T.C.D., *Warden of the Royal Victoria College.*

ORDINARY COURSES.

First Year.

1. Great Men and Great Movements.

In this course no attempt will be made to present an epitome of fact. The aim of the lectures is rather to stimulate the

beginner's interest in historical reading through an appeal to biography and the chief episodes in the progress of European thought. The sessional examination will be based on the following texts:

Butcher, "What We Owe to Greece"; Thucydides, The Funeral Speech of Pericles, Book II, sections 35-46, Jowett's translation; Plutarch, Life of Timoleon, Clough's translation; Mommsen, Character Sketch of Julius Cæsar, History of Rome; Matthew Arnold, Essay on Marcus Aurelius; Freeman, Ancient Greece and Mediaeval Italy; Einhard, Life of Charlemagne, Glaister's translation; Macaulay's Essays on "Ranke's History of the Popes," and "Clive"; Macaulay's State of England in 1685, History of England, chapter III; Parkman, The Heroes of the Long Sault; Stevenson's Essay on the English Admirals.

The results of the examination will be counted under the head of English, and at intervals students will be required to present short essays on historical subjects. A few illustrated lectures may also be given if suitable hours can be found.

One hour a week.

Second Year.

2. The History of England, 1603-1688.

Two hours a week.

Third or Fourth Year.

3. The History of Europe from the accession of Augustus to the death of Luther, B.C. 27—A.D. 1546.

In this course special attention will be given to institutions and movements. Topics for investigation will be assigned, and students will write at least one thesis during the year. Readings to accompany each lecture are assigned in the syllabus for the course.

Four hours a week.

HONOUR COURSES.

Third and Fourth Years.

4. The Renascence. Two hours a week, (Omitted in 1907-1908.)

5. The Early Reformation. Two hours a week. (Omitted in 1907-1908.)

6. The Catholic Revival and the Thirty Years' War. Two hours a week.

7. The History of England since 1784. Four hours a week.

8. The Political and Constitutional History of Europe since 1789. Four hours a week. (Omitted in 1907-1908.)

9. Canada, Government and Public Policy. Four hours a week for the first term.

10. English Constitutional History—1307. Two hours a week. (Omitted in 1907-1908.)

11. History of Canada, 1760-1837. Two hours a week.

Commercial Course.

First and Second Years.

12. Canadian History. Two hours a week.

13. English History since 1756. Two hours a week. (Omitted in 1907-1908.)

Texts.

Honour Students in History will be examined at the end of the third year on the following texts:—Herodotus, VI-VIII, Macaulay's trans.; Thucydides, I, II, 1-65, VI, VII, Jowett's trans.; Plutarch, The Lives of Themistocles, Pericles, Pyrrhus, Caius Gracchus, Cato the Younger, and Julius Cæsar, Clough's trans.; Polybius, Book VI-IX, Shuckburgh's trans.; Livy, Books XXI-XXII, Church and Brodribb's trans.; Tacitus, Annals, Book I, Germania, Vita Agricolæ, Church and Brodribb's trans.

Honour students in History will be examined at the end of the Fourth Year on the following texts:—Clarendon, History of the Rebellion, Book VII; Burnet, History of My Own Time, Book IV, from the beginning of 1689 to the end of the book; Gibbon, Decline and Fall, chapters I, II, III, XXIII, L, LVII, LVIII; Burke, Reflections on the French Revolution; Macaulay, History of England, chapters IV-IX; Captain Mahan, Influence of Sea Power on History; Buckle's

History of Civilization, chapters I-II; Parkman, Montcalm and Wolfe; Lord Acton, Lectures on Modern History.

Summer Readings.—All students in History are expected to follow a course of summer readings as a preparation for the work of the ensuing session. Special programmes will be drafted with a view to individual needs.

For Honour Courses in History, see also page 83.

DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR:—A. W. FLUX, M.A.
ASSOCIATE PROFESSOR:—STEPHEN B. LEACOCK, B.A., PH.D.

ORDINARY COURSES.

Second Year.

1. DESCRIPTIVE ECONOMICS.

The most important features of modern industrial and commercial organization will be studied, including trade and transportation, the great wholesale markets, joint stock companies, monetary and banking systems, trade unions and wage-systems, with the purpose of preparing the student for the study of economic and political theory. Some attention will also be given to the development of social organization.

Readings bearing on the topics of the lectures will be given.

Two hours per week.

Third or Fourth Year.

2. ELEMENTS OF ECONOMICS.

The scope and method of Economic Science; the theory of value; the distribution of wealth, including the theories of rent, wages, interest and profits; the theory of money; international trade; principles of taxation.

Four hours per week throughout the session.

Recommended for preliminary reading:—F. A. Walker, First Lessons in Political Economy.

Text-Book:—Seligman, Principles of Economics.

Other books recommended: — Flux, Economic Principles; Keynes, Scope and Method of Political Economy; Hadley, Economics; Marshall, Principles of Economics; J. S. Mill, Principles of Political Economy, Book III; Jevons, Money and the Mechanism of Exchange; Bastable, Theory of International Trade; Sidgwick, Principles of Political Economy, Book III.

3. Elements of Politics.

This course covers the general principles of political science, and a study of comparative national government.

Four hours per week throughout the Session.

Text-book:—Woodrow Wilson, The State.

Books of Reference:—Sidgwick, Elements of Politics; Burgess, Political Science and Constitutional Law; Anson, Law and Custom of the Constitution; Bryce, American Commonwealth; Bodley, France; Lowell, Governments and Parties in Continental Europe.

Honour Courses.

Third or Fourth Year.

4. (*a*) Modern Industrial Progress. Half-Course. (Omitted in 1907-8.)

(*b*) Public Finance. Half-Course.

State expenditures, with a discussion of the relations between those of central and local governments; public revenues, forms of taxation, incidence of taxation; public debts, financial administration.

Two hours per week throughout the session.

Text-book:—Plehn, Introduction to Public Finance.

Works of Reference:—Bullock, Select Readings in Public Finance; Bastable, Public Finance; Adams, The Science of Finance; Cohn, The Science of Finance; Leroy Beaulieu, Traité de la Science des Finances; Seligman, Essays in Taxation and The Shifting and Incidence of Taxation; Adams, Public Debts.

Courses 4 and 6 may be taken as Continuation Courses by candidates for the Ordinary Degree.

Fourth Year.

5. THE THEORY OF DISTRIBUTION. Half-Course.

An examination of the theories of wages, rents and profits.

Works of Reference:—Carver, The Distribution of Wealth; Clark, The Distribution of Wealth; Commons, The Distribution of Wealth; Hobson, The Economics of Distribution; Walker, The Wages Question; Taussig, Wages and Capital; Böhm-Bawerk, Capital and Interest; Leroy Beaulieu, Essai sur la Repartition des Richesses.

6. (*a*) CURRENCY, BANKING AND TRADE.

Nature and functions of money, the currency systems of the leading nations, index numbers and their interpretation, banks and their functions, commercial crises, foreign exchanges, bi-metallism. A study of trade organization in connection with the circulation of goods will form part of the course.

Text-books:—Nicholson, Money and Monetary Problems; Scott, Money and Banking; Dunbar, Theory and History of Banking.

(*b*) LABOUR PROBLEMS. Half Course. (Omitted in 1907-8.)

7. CANADA, GOVERNMENT AND PUBLIC POLICY.

Four hours per week during the first half of the Session.

Works of Reference:—British North America Act; Sir J. G. Bourinot, Constitutional History of Canada (Revised Edition, 1901); Dominion and Provincial Statutes; Sessional Papers of the Dominion of Canada; Fourth Census of Canada (1901); Statistical Year Book of Canada (Annual); Canadian Annual Review.

8. POLITICAL THEORY. Modern political and social theories (1700-1900) in their relation to the history of the time.

Four hours a week during the second half of the Session.

References:—P. Janet, Histoire de la Science Politique; Sir F. Pollock, History of Political Science; J. Graham, English Political Philosophy; D. Ritchie, Natural Rights; T. Kirkup, History of Socialism.

9. LEGISLATIVE POLICY. A Study of Modern Industrial and Social Legislation. (Omitted in 1907-8.)

Courses 7 and 8 may be taken as Continuation Courses by candidates for the Ordinary Degree. When the subjects offered deal, as in 1906-7, partly with Political Science, partly with Economics, students will find it of advantage to have taken previous work in Economics.

10. SEMINARY IN ECONOMICS.

Candidates for Honours in History and Economics (Course B), will attend the economic seminary. A more careful study of the writings of leading economists and publicists will be made than is possible in connection with the ordinary courses of lectures. Reports will be prepared by the members of the class, and methods of investigation illustrated practically. The extra examination papers referred to on page 83 will have reference, in part, to the work of the Seminary.

The meetings of the Seminary will be fortnightly.

SUMMER READINGS:—During the summer vacation following the third year, Honour students are advised to study the following books:—

Adam Smith, Wealth of Nations; Ricardo, Principles of Political Economy and Taxation; J. S. Mill, Principles of Political Economy; Sidgwick, Elements of Politics; Leroy Beaulieu, The Modern State. Students are strongly recommended to obtain the advice of the members of the Department as to their summer readings.

(*For Honour Courses in Economics and Political Science, see also page 83*).

CONSTITUTIONAL LAW.

PROFESSOR:—F. P. WALTON, B.A., LL.B., LL.D. (DEAN OF THE FACULTY OF LAW).

The Constitutional Law of Canada will be treated in the following order:—1. Canadian Constitutional History prior to Confederation. 2. The British North America Act, and the leading cases under it which illustrate the respective powers of the Dominion and the Provinces. 3. The fundamentals of English Constitutional Government which form the basis of the Canadian Constitution. 4. The Cabinet System. 5. The difference between English and French practice as to responsibility of officials.

Two hours a week.

ROMAN LAW.

PROFESSOR:—F. P. WALTON, B.A., LL.B., LL.D. (DEAN OF THE FACULTY OF LAW).

A Course is offered in Roman Law, open to third and fourth year students in Arts, and qualifying as an option for the B.A. degree. For details, see under Faculty of Law, page 212.

DEPARTMENT OF MATHEMATICS.

PROFESSOR:—J. HARKNESS, M.A.
ASSOCIATE PROFESSOR:—H. M. TORY, M.A., D.Sc.
ASSISTANT PROFESSORS:—MURRAY MACNEILL, M.A.; A. S. EVE, M.A.
LECTURER:—T. RIDLER DAVIS, B.A.

ORDINARY COURSES.

First Year.

1. PLANE AND SOLID GEOMETRY. — The equivalent of Books IV, VI and XI of Euclid, with supplementary matter. Hall and Stevens' Euclid.
Algebra. — Hall and Knight's Elementary Algebra (omitting chapters 40-43 inclusive), or the same subject matter in similar text books.
Trigonometry.—Hall and Knight's Elementary Trigonometry; the elements of Spherical Trigonometry.
Nature and use of logarithms.
Four hours per week.

Second Year.

2. GEOMETRY.—(*a*) Solid Geometry, continuation of the First Year; (*b*) Geometrical Conic Sections, Wilson's Solid Geometry and Geometrical Conics.
Algebra.—Exponential and Logarithmic series; Undetermined Coefficients; Partial Fractions; Elementary Theory of Probabilities; Elements of Determinants; Graphic Methods. This course is subject to change.
Three hours per week.

Third or Fourth Year.

3. ELEMENTARY ANALYTICAL GEOMETRY; elementary parts of the Differential and Integral Calculus; simple Differential Equations.
Four hours per week.

4. ASTRONOMY. — This course is intended to give a general account of the main facts of Astronomy, and the methods by which these facts are obtained. The lectures will be illustrated, and occasional evenings will be given to work in the observatory.
Two hours per week.

ADVANCED COURSES.

First Year.

5. Lachlan's Modern Pure Geometry, or an equivalent text-book; Hall and Knight's Advanced Algebra; Burnside and Panton's Theory of Equations (selected course); Trigonometry, as in ordinary course; Higher Trigonometry, Lock.
Four hours per week.

Second Year.

6. ANALYTICAL GEOMETRY.—Smith's Conic Sections.
DIFFERENTIAL AND INTEGRAL CALCULUS.—Lamb's Infinitesimal Calculus and Chandler's Calculus.
Four hours per week.

HONOUR COURSES.

Third Year.

7. Selected topics in Differential and Integral Calculus.
8. Differential Equations.
9. Geometry of Three Dimensions.
10. Vector Analysis.

In addition students reading for Honours will be required to take course 6 and selected topics from course 5, under Physics, see page 133.

Fourth Year.

The courses given will be selected from the following:—
11. Introduction to the Theory of Functions.
12. Elliptic Functions.
13. Lectures in connection with Scott's Modern Analytic Geometry and the early chapters of Salmon's Higher Plane Curves.

14. Lectures on Modern Geometry, based on Reye's Geometry of Position.

In addition students reading for Honours will be required to take the seminary topics of course 5, under Physics, (see page 133).

(*For Honour Courses in Mathematics, see also page* 84).

DEPARTMENT OF PHYSICS.

PROFESSORS:— JOHN COX, M.A., LL.D, *Director.*
HOWARD T. BARNES, D.Sc.

LECTURER:—H. L. BRONSON, PH.D. (Yale).

DEMONSTRATORS:— R. W. BOYLE, M.Sc. *Senior Demonstrator.*
G. W. SHEARER, B.Sc.
F. H. DAY, B.Sc. (Boston).

ORDINARY COURSES.

First Year.

1. PHYSICS.—This course has two objects: (1) to give the minimum acquaintance with Physical Science requisite for a liberal education to those whose studies will be mainly literary; (2) to be introductory to the courses in Chemistry and other branches of Natural Science, and to the more detailed courses in Physics in the third and fourth years. Only the most important principles in each branch of the subject will be treated, as far as possible, with reference to their historical development and mutual relations; and they will receive concrete illustration in the study of the principal instruments in daily use in the laboratory. Two illustrated lectures will be given per week. During the session each student will be required to attend in the laboratory, and make measurements involving the use of the following instruments: —*Balance, Pendulum, Barometer, Thermometer, Sonometer, Telescope or Microscope, Tangent Galvanometer, Wheatstone's Bridge.*

Outline of Syllabus. The scope and method of Science, primary phenomena ("states and properties of matter"), motion, velocity, acceleration, laws of motion, momentum, energy, work; the parallelogram law for velocities and forces, equilibrium and the simple machines; uniform circular motion,

vibration, the pendulum; fluid pressure, the barometer, specific gravity; summary of *Mechanics*, indicating the principle of the conservation of energy.

The missing energy traced in:—

(1) *Sound*:—Nature of wave motion, intensity, pitch and quality of musical notes; the stretched string and organ pipe; resonance.

(2) *Heat*:—Temperature and the thermometer; the calorimeter, fusion and vaporisation; laws of Boyle and Gay-Lussac; the mechanical equivalent; application of conduction, convection and radiation to common problems of climate, ventilation, etc.

(3) *Light*: — Reflection, refraction, the spherical mirror, prism, lens, microscope, telescope, spectroscope, polariscope; principle of interference and sketch of the undulatory theory.

(4) *Electricity and Magnetism*: — The electrophorus, the modern induction machine, the condenser; the idea of potential; atmospheric electricity; magnetic field and lines of force; the compass and terrestrial magnetism; effects of current; the voltameter and storage cell; the galvanometer; heating effects; simple batteries; Ohm's Law; units and measurement of current resistance, electromotive force; mutual mechanical effects of conductors and magnetic fields; principle of the electric motor; the electro-magnet; induction of currents, and principle of the dynamo; applications to telegraph, telephone, lighting, and supply of power.

Conclusion. — Restatement of principle of Conservation of Energy in complete form; dissipation of Energy.

Two hours a week. *Text-books*:—Mann and Twiss.

Third Year.

2. EXPERIMENTAL PHYSICS.—(*First Course.*)—Laws of energy, sound, light and heat. *Text-book*:—Watson, (Longmans).

Lectures fully illustrated. Two hours a week; with Laboratory Course, three hours a week.

Laboratory Manual.—Tory and Pitcher.

SOUND.—Velocity of sound; determination of rates of vibration of tuning forks; resonance; laws of vibration of strings.

LIGHT. — Photometry; laws of reflection and refraction; indices of refraction; focal lengths and magnifying powers of mirrors, lenses, telescopes and microscopes; the sextant, spectroscope, spectrometer, diffraction grating, optical bench and polariscopes.

HEAT.—Construction and calibration of thermometers; melting and boiling points; air thermometer; expansion of solids, liquids and gases; calorimetry; specific and latent heats; laws of vapour pressure; radiation; the mechanical equivalent of heat.

Fourth Year.

3. EXPERIMENTAL PHYSICS.—(*Second Course.*) — Electricity and Magnetism. *Text-book*:—S. P. Thompson. Lectures fully illustrated. Two hours a week; with Laboratory Course, three hours a week.
Laboratory Manual.—Tory and Pitcher.

Measurement of pole strength and moment of a magnet; the magnetic field; methods of deflection and oscillation; comparison of moments and determination of elements of earth's magnetism; frictional electricity; current electricity:—complete course of measurements of current strength, resistance and electromotive force; calibration of galvanometers; the electro-dynamometer; comparison of galvanometers; the electrometer; comparison of condensers; electromagnetic induction; discharge of electricity through gases; radio-activity; electrical waves.

N.B. — For Advanced Courses intended for Electrical Engineering students and graduates pursuing the study of Physics, see under Courses in Applied Science, page 196.

Third or Fourth Year.

4. Mechanics and Hydrostatics.—Two hours a week.

HONOUR COURSES.

Third and Fourth Years.

5. Analytical Statics; Dynamics of a particle; rigid dynamics; hydromechanics.

6. Advanced Courses in heat, optics and electricity. A short course in Physical Chemistry.

(*For Honour Courses in Mathematics and Physics, see also page 84*).

DEPARTMENT OF CHEMISTRY.

PROFESSORS:— { B. J. HARRINGTON, M.A., PH.D., LL.D.
J. WALLACE WALKER, M.A., PH.D

ASSOCIATE PROFESSOR:—NEVIL NORTON EVANS, M.A.Sc.

ASSISTANT PROFESSOR:—DOUGLAS MCINTOSH, M.A., D.Sc.

DEMONSTRATORS:— { J. W. INCE, M.A.
R. S. BOEHNER, B.Sc.
A. F. ROBERTSON, B.Sc.

LECTURE ASSISTANT:—ANNIE L. MACLEOD, M.Sc.

ORDINARY COURSES.

Second Year.

1. GENERAL CHEMISTRY.—A Course of lectures on Elementary Chemical Theory, and on the principal elements and their compounds. The lectures are fully illustrated by means of experiments.

Text-book: — Holleman's Text-book of Inorganic Chemistry (Translation by Cooper). *For Reference*:— Bloxam's Chemistry. Three hours a week.

ELEMENTARY PRACTICAL CHEMISTRY. — This course is compulsory for all undergraduates taking the above course of lectures. The work includes experiments illustrative of the laws of chemical combination, the preparation of pure chemical compounds, and elementary Qualitative Analysis. Four hours a week.

Third Year.

2. INORGANIC CHEMISTRY.—A course on Historical and Physical Chemistry. One hour a week.

3. ELEMENTARY ORGANIC CHEMISTRY.—An elementary course of lectures on Organic Chemistry open to students in Biology and compulsory for students intending to take the advanced course on Organic Chemistry in the fourth year.

Text-book. — Holleman's Text-book of Organic Chemistry. One hour a week.

4. ADVANCED PRACTICAL CHEMISTRY.—Laboratory practice in methods of gravimetric and volumetric analysis, during the first term, and preparation of simple organic substances in the second term.

Text-books.— Talbot's Quantitative Chemical Analysis and Holleman's Laboratory Manual of Organic Chemistry.

Six hours a week.

Fourth Year.

5. ORGANIC CHEMISTRY.—A systematic course of lectures on Organic Chemistry, including the analysis of organic substances, calculation of formulæ, determination of molecular weights, polymerism, isomerism, etc., followed by a discussion of the more important derivatives of the aliphatic and aromatic series of compounds. Two hours a week.

6. PRACTICAL ORGANIC CHEMISTRY. — A complete course on the preparation and analysis of Organic Substances, with determinations of molecular weights, etc.

7. PHYSICAL CHEMISTRY.—The lectures are a continuation of those given during the third year and include Thermo-Chemistry, the principles of Thermodynamics as applied to chemical action, osmotic phenomena and their application in deducing the ionisation theory of solutions, a study of such physical properties of gases, liquids and solids as are known to depend on their chemical constitution, the phase rule and Electro-Chemistry.

Two lectures a week.

Books of Reference:—Ramsay's Text-Books of Physical Chemistry.

8. PRACTICAL PHYSICAL CHEMISTRY. — Laboratory work will include the various methods of determining the molecular weights of gases and of substances in solution, accurate measurement of densities, refractive indices, surface tensions and specific rotations; also examples of chemical statics and kinetics, and electro-chemical measurements.

9. MINERAL ANALYSIS.—A course of laboratory work comprising advanced quantitative analysis and investigation of the constitution of mineral species.

HONOUR COURSES.

Third Year.

Honour students in the third year will be required to take all the ordinary courses of that year and in addition do some extra reading and laboratory work.

Fourth Year.

Honour students in the fourth year will take courses 5, 6, 7 and 8 *or* 7, 8 and 9.

(*For complete Honour Courses in Chemistry, see page 84*).

MINERALOGY.

PROFESSOR:—B. J. HARRINGTON, M.A., PH.D., LL.D.
DEMONSTRATOR:—RICHARD P. D. GRAHAM, B.A.

HONOUR COURSES.

Third Year.

1. MINERALOGY.—Lectures and demonstrations illustrated by models and specimens in the Peter Redpath Museum and the Macdonald Chemistry and Mining Building. Among the subjects discussed are: crystallography; physical properties of minerals dependent upon light, electricity, state of aggregation, etc.; chemical composition, calculation of mineral formulæ, quantivalent ratios, etc.; principles of classification, description of species.
   Two hours a week.

2. DETERMINATIVE MINERALOGY. — Laboratory practice in blow-pipe analysis and its application to the determination of mineral species. This work is carried on in the laboratory provided for the purpose in the Chemistry and Mining Building.
   Thursday, 2 to 5 p.m.

Fourth Year,

3. MINERALOGY (In continuation of No. 1). — Description of species, particular attention being paid to those which are important as rock constituents and to the economic

minerals of Canada; measurement of the angles of crystals with the reflection goniometer; projection of crystal forms; calculation of axial ratios of crystals; drawing of crystal forms; use of the polarising microscope, axial angle apparatus, etc.

First term, eight hours a week.

(*For Honour Courses, see also page 84*).

DEPARTMENT OF GEOLOGY.

PROFESSOR:—FRANK D. ADAMS, D.Sc., PH.D., F.R.S.
DEMONSTRATOR:—J. AUSTEN BANCROFT, M.A.
SESSIONAL LECTURER:—JOHN A. DRESSER, M.A.

ORDINARY COURSES.

Second Year.

PHYSICAL AND COMMERCIAL GEOGRAPHY.—This course will be devoted to a study in outline of the physical features of the earth, and their influence upon commerce, especially upon the distribution and utilization of commercial commodities. In so far as practicable, a study will be made of the resources of the various countries of the world, and especially of the Dominion of Canada.

Two hours a week throughout the year.

N.B.—This forms part of the Commercial Course of the Second Year.

Third Year.

1. GENERAL GEOLOGY.—The lectures will embrace a general survey of the whole field of Geology, and will be introduced by a short course in Mineralogy. Especial attention will be devoted to Dynamical Geology and to Historical Geology, including a description of the fauna and flora of the earth during the successive periods of its past history.

   The lectures will be illustrated by the extensive collections in the Peter Redpath Museum, as well as by models, maps, sections and lantern views. There will be an excursion every Saturday until the snow falls,

after which the excursion will be replaced by a demonstration in the Museum.

Text-book:—Scott, An Introduction to Geology.

Books of Reference:—Dawson, Hand-Book of Geology; Dana, Manual of Geology.

Three hours a week throughout the year, with additional excursions and demonstrations as above stated.

HONOUR COURSES.

Third Year.

(*In Geology and Mineralogy.*)

In the third year, students pursuing the Honour Course will take the ordinary work (General Geology, 1).

(For Mineralogical portion of this course, see page 136.)

Fourth Year.

2. PETROGRAPHY.—The modern methods of study employed in Petrography are first described, and the classification and description of rocks are then taken up.

One lecture a week during the first term. One afternoon a week throughout the year will be devoted to special microscopical work in the Petrographical Laboratory.

Text-book:—Harker, Petrology for Students.

Books of Reference:—Rosenbusch, Mikroskopische Physiographie, and Zirkel, Lehrbuch der Petrographie.

3. A. PALÆONTOLOGY.—An extension of the Palæontology of Course 1, with special studies of some of the more important groups of fossils.

One lecture a week during the second term and one demonstration a week, with special studies in the Peter Redpath Museum.

Books of Reference:—Nicholson and Lydekker, Manual of Palæontology; Zittel & Eastman, Text-Book of Palæontology.

or

3. B. PHYSIOGRAPHY. — A description of land forms with reference to their origin, classification, drainage, development, climatic and human controls.

The physical features of Canada will be described during the latter half of the course.

The course will consist of lectures, demonstrations, and laboratory work, and will be illustrated by maps, models, and lantern slides.

Two hours a week during the first term.

Books of Reference: — Davis, Physical Geography; Mill, The International Geography.

4. Ore Deposits, Economic Geology and Practical Geology.—The nature, mode of occurrence and classification of ore deposits will first be taken up. A series of typical occurrences will then be described and their origin discussed — the more important non-metallic materials—*e.g.*, fuels, clay, abrasive materials, building stones, etc., will be similarly treated, as well as questions of water supply, artesian wells, etc. The methods employed in carrying out geological and magnetic surveys and in constructing geological sections will then be taken up with special studies in folding, faulting, etc.

The course will be illustrated by maps, models, lantern slides and specimens.

Four lectures a week throughout the second term.

Text-books:—Geikie, Outlines of Field Geology; Kemp, Ore Deposits of the United States and Canada; Philips and Louis, A Treatise on Ore Deposits; Beck, Ore Deposits.

Books of Reference:—The Reports of the Geological Survey of Canada and the Monographs of the U. S. Geological Survey.

5. Canadian Geology.—A general description of the Geology and Mineral Resources of the Dominion.

One lecture a week during the first term.

Text-book:—Dawson, Hand-book of Geology.

Books of Reference:—The Reports of the Geological Survey of Canada.

6. Geological Colloquium.—A discussion each week of some geological topic, references to the literature of which have been given by the Professor in the week preceding. The course is intended to give students some acquaintance with geological literature, as well as a wider knowledge of the great principles which underlie the Science.

One hour a week in second term.

7. Geological Survey.—Candidates for Honours in the fourth year will also undertake, under the direction of the Demonstrator in Geology, a geological survey of some suitable area selected for that purpose. This survey will occupy two weeks, and will be made either at the close of the third year or immediately before the opening of the regular work of the fourth year, as may be arranged by the Professor of Geology. The preparation of a geological map of the surveyed area, the examination of the specimens collected, and the writing of a detailed report upon the area, will form part of the work of the fourth year.

N.B.—A large amount of additional private reading will also be required of candidates for Honours.

(*For Honour Courses in Geology, see also page 84*).

DEPARTMENT OF BOTANY.

Professor:—D. P. Penhallow, D.Sc.
Assistant Professor:—C. M. Derick, M.A.

Ordinary Courses.

Second Year.

1. Elementary Biology.—Second half session. A course in the general morphology of plants embracing a discussion of the general principles of morphology and classification, respiration, photosynthesis, nutrition, reproduction, symbiosis and adaptations, as also the relations of plants in geological time. These studies will be illustrated by means of special types taken from the principal groups.

This course is designed with special reference to those who may not be able to carry such work beyond the limits of an elementary course, and as a basis for more specialized work in the third and fourth years.

Two lectures and two laboratory periods each week.

For the first half of this course, see Zoology 1A, page 144.

Third Year.

2. Special Morphology.—This course is designed to give a comprehensive knowledge of plant structures and relationships. The principles of development will be illustrated by

type studies which may also serve as the basis of more special work in Bacteriology, Physiology, Ecology, or Palæobotany. It comprises:—

(*a*) *First Half-Session.*—During the autumn term, attention will be directed to a study of the general histology of the plant, with special reference to the seed plants, as a basis for the more advanced work of the fourth year; and also to differential reactions, methods of staining, imbedding, section cutting and general technique.

This course will be especially adapted to chemists as applied to a study of food adulterants, etc.; to those who are intending to follow a medical course, as a preparation for animal histology, and it will be required of all who elect the course in the fourth year.

The course pre-supposes familiarity with the optics of the microscope as given in Physics 1, (3) of the first year.

(*b*) *Second Half-Session.*—Critical studies of the Thallophyta by means of selected types designed to illustrate the origin of organs, the origin and development of sex, the division of labour and the general laws of development.

Two lectures and two laboratory periods each week throughout the session.

Fourth Year.

3. Special Morphology.

(*a*) The complete study of a selected series of types, illustrating the structure, origin and relationships of the Bryophytes, and Pteridophytes.*

(*b*) The special morphology of the Seed Plants as represented by types illustrative of the principal groups, with special reference to relationship, development and adaptations.

Students entering upon this course will be required to present qualifications equivalent to the course of the third year.

Two lectures and two laboratory periods each week throughout the session.

For the work of the third and fourth years, each student will be required to provide himself with a laboratory drawing book of specified form, and with necessary pencils, slides and cover glasses.

* Students taking Honours in Geology and Mineralogy will also take Botany. 3 (a) during the first half of the session.

4. Systematic Botany. — A special course embracing herbarium work and the systematic study of the seed plants with reference to the determination of species, their environment and mutual relations. These studies will be prosecuted with special reference to a field knowledge of the ferns and flowering plants in the neighbourhood of Montreal.

This course is designed to complete and round out the study of the higher plants as given in the courses on Special Morphology (2 and 3). Students specializing in Botany will be required to follow this as part of the ordinary course of the fourth year. The course is also open to teachers of schools and to others who may have gained a knowledge equivalent to that represented by Gray's Structural Botany.

Two laboratory periods each week throughout the session, with field days as may be arranged for.

5. Structure of Woods.—This course is designed to meet the special requirements of students proceeding to the study of forestry. It will deal with the practical study of the principal woods employed for structural purposes, their structure, modification under conditions of decay, mechanical stress, etc., determination of age, methods of preparing material for microscopical examination.

Laboratory, two hours per week throughout the session.

Honour Courses.

(In Biology.)

Third and Fourth Years.

For work in Zoology, see page 145.

6. Candidates for Honours in the third and fourth years will, in addition to the ordinary work in Botany of each year, take a special course of reading under the direction of the professor, and write themes upon assigned topics.

(*For Honour Courses in Biology, see also page 84*).

B.Sc. Course (Ordinary).

Third Year.

7. Students proceeding to the degree of B.Sc. will be required to take the ordinary course of the third year Arts, (2)

and, if specializing in Botany, also the Honour course in that subject for that year.

Two lectures and two laboratory periods each week throughout the session.

Fourth Year.

During the fourth year, students proceeding to the degree of B.Sc. will be required to pursue special studies in extension of the work of the fourth year Arts, (3), in accordance with such plan as may be adopted by the B.Sc. Committee at the time of his entrance upon that year.

Courses Leading to Forestry.

Students who contemplate the adoption of Forestry as a profession, are advised to take the following course of study as a preparation for graduate work at a Forestry School. This course is framed with special reference to those who may be proceeding to the degree of B.Sc.

In the first and second years, Physics (1) and Elementary Biology will be regarded as essential elements of the course.

Third Year.

Special Morphology of Plants (2).
Honour readings with Colloquia (Botany 5).
Zoology (2).
Geology (1).
English Composition (4C).

Fourth Year.

Special Morphology of Plants (3).
Systematic Botany (4).
Physiology and Ecology (6).
Structure of Woods (5).
Entomology (First Half Session).
Mammals and Fishes (3B, Second Half Session).

DEPARTMENT OF ZOOLOGY.

PROFESSOR:—E. W. MCBRIDE, M.A., D.Sc., F.R.S.
LECTURER:—J. STAFFORD, M.A., PH.D.
DEMONSTRATOR:—J. C. SIMPSON, B.Sc.

Second Year.

1A. ANIMAL BIOLOGY.

This course consists of a careful study of the laws of Biology as illustrated by a selected series of types. Special stress is laid on vertebrate structure and function, to the study of which most of the time is devoted. The types dealt with are Amœba, Paramœcium, a Flagellate, Hydra, Lumbricus, Amphioxus, Scyllium, Rana.

Two lectures and two demonstrations a week up till Christmas.

This course, taken along with the corresponding course in Botany, constitutes the course in general Biology.

1B. ANIMAL PHYSIOLOGY.

This course includes a study of the principal organic compounds found in the animal body and also of the principal functional activities of Vertebrates.

Two lectures and one demonstration a week from Christmas till Easter.

This course is to be taken by those students who intend to qualify for the Ontario Specialists' Certificate in Biology. It is recommended to all those who intend to proceed to Honours in Biology.

Third or Fourth Years.

2. INVERTEBRATE ZOOLOGY.

This course consists of a general review of all the classes of invertebrate animals, including the Tunicata and other Protochordata. Special attention is given to parasitic forms and those responsible for the production of disease.

Two lectures and two demonstrations a week throughout the Session.

Continuation Courses.

Fourth Year.

3A. Vertebrate Anatomy and Histology.

This course includes a systematic study of the anatomy of the principal types of vertebrate animals, followed by a study of the histology of vertebrate tissues.

Two lectures and two demonstrations a week throughout the Session.

3B. Comparative Embryology.

This course consists of a study of the typical form of development and of its principal modifications in every class in the animal kingdom.

Two lectures and two demonstrations a week throughout the Session.

Students desiring to continue the study of Zoology during the fourth year may take either of the above courses. Students taking the seven year course in Arts and Medicine leading to the degrees of B.A. and M.D., and B.Sc. and M.D., may take 2, 3A and 3B as a third year subject.

Honour Courses.

Students proceeding to Honours in Biology shall, during the first half of the third year take, in addition to course 2, a series of special readings under the supervision of the Professor, with weekly colloquia. The subject for the coming session will be Darwin's Origin of Species. During the second half of the Session they shall pursue the study of Mammalian Anatomy as illustrated by the Rabbit.

One lecture and one demonstration per week.

This course is required in addition to 1A in order to enable students to obtain exemption from the Biology examination in the first year of medicine. During the fourth year they shall take courses 3A and 3B. For students proceeding to the degrees of B.A. and M.D. in eight years, the Anatomy of first year Medicine may be substituted for 3A.

Text-Books:—For courses 1A, 2 and 3A the Text-book of Zoology by Shipley and MacBride is recommended; for 3B, Korschelt and Heeder Text-book of Embryology.

(*For Honour Courses in Biology, see also page 84*).

B.Sc. Course.

Students proceeding to the degree of B.Sc. will be required to take 2.

If they intend to specialize in Zoology in the fourth year, they shall, in addition, take the Honours work prescribed for the third year. In the fourth year they shall take courses 3A and 3B and, in addition, such extra reading and laboratory work as may be prescribed by the Faculty.

A special fee of $2.50 is charged against the caution money of each student attending the Zoological laboratory, in order to cover the cost of instruments and laboratory note-book which are supplied to him and become his property. A student attending the laboratory for a second time is not called on to pay this fee.

METEOROLOGY.

Superintendent of Observatory:—C. H. McLeod, Ma.E.

Instruction in meteorological observations will be given in the Observatory at hours to suit the convenience of the senior students.

Certificates will be granted to those students who pass a satisfactory examination on the construction and use of meteorological instruments and on the general facts of Meteorology.

PEDAGOGY.

Lecturer:—

Lectures on this subject will be given (either at the University or at Macdonald College) to undergraduates of the third and fourth years, who wish to obtain the Provincial Academy Diploma.

COURSE FOR THE DIPLOMA OF COMMERCE.

The University offers a systematic course of study extending over two years, and intended as a preparation for entrance into business life. The course is not merely designed to impart instruction of a purely technical character. It is believed that a sound training in the essential branches of a liberal education affords the best equipment for the conduct of practical affairs. The object of the course is therefore rather to develop capacity than to impart special information. While adhering, however, to this general plan, the work of the commercial department is differentiated from that of the curriculum in Arts. Special stress is laid upon those subjects a knowledge of which is a necessity for business men, and the character of the instruction and the class methods adopted are specially suited for the end in view. The greatest emphasis is laid upon teaching the student to speak and write with fluency and accuracy, and to be able to apply a ready intelligence to practical business problems. The course is open to both men and women. On the successful completion of the course, a diploma is awarded.

It is entirely within the aim of the University, in establishing this department, that the students therein should seek practical employment during the vacation period. Such employment, if of a suitable character, will form a useful complement to the work done in the University. It is confidently expected that the institution of the present course will be viewed with such favor by the business community as to render the students particularly eligible applicants for positions in business houses.

MATRICULATION.

For admission to the Commercial Course a student must have passed one of the following examinations:

I. The ordinary Matriculation Examination of the Faculty of Arts for the B.A. or B.Sc. Degree.

II. An examination consisting of

(*a*) the preliminary subjects of the present Matriculation Examination in Arts or in Science.

(*b*) the following final subjects:

History and Geography; English Literature; French; Algebra, Part I; Geometry, Part I.

One of the following, viz.:

Physiography, Botany, Chemistry, Physics.

The subjects of the course are as follows:—

First Year.

1. English
2. History
3. Mathematics (including commercial arithmetic)
4. French (including commercial French)
5. Physics.

Second Year.

1. English and History
2. French
3. Commercial Geography: Descriptive Economics.
4. Physical Geography
5. Chemistry
6. Accountancy.

ENGLISH.—The work done in this subject will be of an essentially practical character. The students will be given a constant drill in essay writing, the making of abstracts, *précis* and reports, and in such exercises as will train them to a ready use of English. Letter writing and business correspondence will be made important features of the work. A systematic training will be offered in reading and public speaking and in the oral presentation of reports. In addition to this a certain amount of formal instruction will be given in the elements of English Literature.

HISTORY.—The work here will consist of a survey of modern political history and a view of the structure of existing governments. By special arrangement with the Dean of the Faculty of Law, students will have the opportunity of studying, in this connection, an outline of the operation of Canadian government, federal, provincial and municipal. They will also have their attention directed to questions of every-day law,

especially such as are likely to be met with in business practice.

The work in History will be closely co-related to the work in English. It is expected that the facility acquired by the student in taking notes, writing his logical abstracts, etc., will serve as a useful practical exercise in connection with his English studies.

FRENCH.—The course in French aims especially at imparting facility in the spoken and written language. During the first year, in addition to four hours a week of oral instruction, a fifth hour will be devoted to the teaching of Commercial French, and the forms to be used in correspondence and accounts.

MATHEMATICS.—The course in Mathematics will consist of Commercial Arithmetic, Algebra and Geometry; the Arithmetic and Algebra being taught with special reference to their practical application.

SCIENCE.—The course in Science includes Physics in the first year, with Chemistry and Physical Geography in the second. The subjects will be presented in such a way that the students may not merely profit by the mental training afforded by the study of Natural Science, but may secure a general acquaintance with the scientific principles underlying modern industrial progress.

DESCRIPTIVE ECONOMICS.—This course will consist of a study of the main outlines of Commercial Geography. The most important features of modern industrial and commercial organizations, including trade and transportation, the great wholesale markets, joint stock companies, monetary and banking systems, etc., will also be treated in some detail.

ACCOUNTANCY.—In the second year formal instruction will be given in the principles and practice of accounting. The object will be to provide students with a sound knowledge of the science of accounting rather than to train them in the craft of keeping books.

REGISTRATION.—The names of students intending to enter the course should be sent in to the Registrar of the University not later than September 19th, 1907.

FEES.—The fees are the same as in the Faculty of Arts.

For particulars regarding the P. S. Ross Exhibitions, see page 31.

INFORMATION FOR STUDENTS IN APPLIED SCIENCE.

THE SESSION 1907-1908 WILL OPEN ON WEDNESDAY, SEPTEMBER 18TH, 1907. STUDENTS ENTERING THE UNIVERSITY WILL REGISTER AT THE REGISTRAR'S OFFICE BETWEEN THE 11TH AND 17TH (BOTH DATES INCLUSIVE); STUDENTS PREVIOUSLY ENROLLED WILL REGISTER ON THE 18TH.* FIELD WORK IN SURVEYING WILL COMMENCE ON MONDAY, AUGUST 19TH, 1907.

Particulars regarding the following points will be found by referring to the pages mentioned:—

	PAGES
Admission from other universities	28
Admission of Partial Students	12
Attendance	49
Exhibitions and Scholarships	40
Fees	54
Matriculation†	18
Medals and Prizes	46

For Time Tables of Lectures and Examinations, see first part of Calendar.

EGREES AND EXAMINATIONS.

(1) *Degrees.*

The degrees conferred by the University upon such undergraduates of the Faculty as fulfil the conditions and pass the examinations hereinafter stated are, "Bachelor of Architecture (B. Arch), and Bachelor of Science" (B.Sc.), mention being made in the diploma of the particular course of study pursued.

* For complete registration regulations see page 49.

† Full information regarding entrance can be obtained from the University Registrar and, in England, from J. Stuart Horner, Esq., of Messrs. John Birch & Co., 3 London Wall Buildings, London, E. C.

Students who take the Bachelor of Science degree in one of the courses provided by the Faculty may graduate in any of the remaining courses by attending one or more subsequent sessions.

Particulars regarding the combined course in Arts and Applied Science leading to the degrees of B.A. and B.Sc. (Applied Science) in six years, are given on page 88.

By a resolution of the Institution of Civil Engineers (England) the holders of the degree of B.Sc., in the courses of civil, electrical, mechanical, and mining engineering, are exempted from the examination for associate membership (A. M. Inst. C. E.) of the Institution.

(2) *Examinations.*

1. Sessional examinations are held in all subjects. In addition, there are Christmas examinations in certain subjects, and class examinations are held from time to time, at the option of the Professor.

2. Credit will be given in the sessional standing for class examinations held during the session, and also for the Christmas examinations.

3. Students who have failed in one or more subjects of the curriculum (pp. 154 to 167) shall be required to make good their standing by passing:—

(1) The supplemental examinations, or
(2) The sessional examinations, or
(3) The examinations of the summer courses when such examinations are equivalent to the sessional examinations.

4. Students who, at the commencement of lectures in any session have failed to make good their standing in three or more subjects, or in any two major subjects,* shall, if they remain in attendance as undergraduates, be required to repeat all the work in those subjects.

5. Partial students are entitled to examinations in the subjects which they have taken as Partial Students, but not to supplementals, nor to examinations in other subjects.

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* These subjects are indicated in the course for each year by a section mark.(§).

SPECIAL INFORMATION.

1. Students in Applied Science may, on application to the Faculty, take such Honour Courses in the Faculty of Arts as are practicable.

2. Undergraduates in Arts of the second and third years, or graduates in Arts of any university, entering the Faculty of Applied Science, may, at the discretion of the professors, be exempted from such lectures in that Faculty as they have previously attended as students in Arts.

3. Admission of Women. — The conditions upon which women are admitted into any of the courses in the Faculty of Applied Science may be obtained on application to the Dean.

4. Certificates may be given to students who have passed through any of the special courses attached to the curriculum.

5. The headquarters of the Canadian Society of Civil Engineers are located in Montreal. Students in all departments of engineering are strongly recommended to become student members of the Society, which they can do on payment of a fee of $2.00. They are then entitled to the two volumes of "Transactions," which are annually published, and to the use of the Society's rooms on Dorchester Street. They also have opportunities of meeting the prominent engineers of the country and of being present at the fortnightly sessions, at which papers are read by leading members of the Society on current engineering subjects and works of construction.

During the winter there will be a special series of students' meetings, at which papers, illustrated by lantern slides, will be read by well-known engineers. Students may also compete for the prizes which are offered by the Society (see p. 42).

6. Students in Mining and Metallurgy are strongly recommended to become members of the McGill Mining Society, which, although a student body (see p. 195), is affiliated with the Canadian Mining Institute, the headquarters of which are in Montreal. Members of this Society receive the Transactions of the Institute without extra expense, and are entitled to attend all meetings and to compete for the prizes offered (see p. 47).

COURSES OF INSTRUCTION.

The instruction in this Faculty is designed to afford a thorough training of a practical as well as a theoretical nature, in the following branches of Applied Science:—

I.—Architecture.
II.—Chemistry.
III.—Civil Engineering and Surveying.
IV.—Electrical Engineering.
V.—Mechanical Engineering.
VI.—Metallurgy.
VII.—Mining Engineering.
VIII.—Railways.

The regular work of each session in Applied Science will end about the middle of April, at the close of the sessional examinations. The summer work will commence as soon as practicable thereafter, and will be continued for six weeks (see Reg. 2, below).

SUMMER WORK.

1. All undergraduates entering the second year (excepting those taking the Practical Chemistry Course), students in the Civil and Mining Engineering Courses entering the third year, and students in the Civil Engineering Course entering the fourth year, are required to be in attendance at the Surveying School on the 19th August, when the fieldwork in Surveying and Geodesy will commence. (See page 199).

2. Undergraduates in the Mechanical, Electrical and Metallurgical Courses are required to attend a summer session of about six weeks between the second and third years. The work to be done in the first two of these courses is as follows:—Mechanical Drawing (Machine Design and Machine Drawing), 10 hours per week; Physics and Physical Laboratory Work, 11 hours per week; Shopwork (Smith shop and Foundry), 11 hours per week.

3. Undergraduates in the Mining and Metallurgical Courses are required to attend the Summer School in Mining, held between the third and fourth years (four to six weeks of fieldwork). The school is held in May and June. (See page 195).

4. During the summer vacation following the close of each session, all students entering the third and fourth years are required to prepare a thesis on a subject specified by the Faculty, or make a report on some practical work in course of construction. The marks given for these theses are added to the results of the sessional examinations, but no credit will be given for any report handed in after October 2nd.

GENERAL OUTLINE OF COURSES.

The curriculum, as laid down in the following pages, may be changed from time to time as may be deemed advisable by the Faculty. The work prescribed for the first two years is the same in all courses, except in Practical Chemistry and in that leading to the degree of Bachelor of Architecture.

The subjects of instruction in these years for all courses, except those above-named, and the number of hours per week devoted to each, are as follows:—

First Year.

	Hrs.		Hrs.
‡Algebra	(p. 185), 2 (a), 5 (b)	Lettering	(p. 182), 3
§Descriptive Geometry	(p. 178), 6	‡Physics	(p. 196), 2
Dynamics	(p. 185), 4 (a)	Physical Laboratory	(p. 196), 4½
English	(p. 181), 2	Shopwork	(p. 205), 6
Freehand Drawing	(p. 182), 3	‡Trigonometry	(p. 185), 5 (b)
Geometry	(p. 184), 4 (a)	Surv. Field Work	(p. 199), 4 weeks

Second Year.

	Hrs.		Hrs.
Analytic Geometry	(p. 185), 3 (a)	‡Mechanics	(p. 185), 3 (b)
‡Calculus	(p. 185), 3	‡Mechanics of Machines	(p. 186), 3
‡Chemistry	(p. 171), 3	§Physics	(p. 197), 2
‡Chemical Laboratory	(p. 172), 4	‡Physical Laboratory	(p. 197), 3
‡Mapping	(p. 200), 3	Shopwork	(p. 205), 3
Materials of Construction	(p. 175), 1	Surveying	(p. 198), 2
‡Mechanical Drawing	(p. 187), 3	Surv. Field Work	(p. 199), 4 weeks

(a) First Term. (b) Second Term. § Major subject.

I. Architecture.

The Course in Architecture is now being revised. A pamphlet embodying the changes will be issued during the summer.

The Architectural Course, qualifying for the degree of Bachelor of Architecture (B.Arch.), differs from the others in the Faculty of Applied Science in that the curriculum is from the first year separate and distinct, the studies in that year being divided between the Faculties of Arts and Applied Science.

In the second year the architectural studies proper commence and the amount of time devoted to design increases in the third and again in the fourth years.

Students of Architecture studying for the B.Arch. degree will attend the Summer School in surveying before entering the second year.

Broadly speaking, the lectures may be divided into five groups dealing respectively with History, Structure, Theory of Design, Ornament and Decoration, and Professional Practice, and in all courses studio work goes hand in hand with oral teaching, thus ensuring a thoroughly practical acquaintance with the subjects taken up, while at the same time affording abundant opportunity for the acquisition of power in draughtsmanship and practice in Design, *this latter being the chief aim of the course.*

The degree of B.Sc. in Architectural Engineering is provided for in an alternative course. In this case, the first two years are taken with the Civil Engineering students and Theory of Structures is included in the work of the latter years.

A modification of the Arts matriculation examination (with French compulsory, and Freehand and Geometrical Drawing added) will be taken by those studying for the degree of B.Arch., while the Applied Science matriculation examination will be taken by those studying for the B.Sc. degree.

The lecture hours in the third and fourth years are, as far as possible, from 9 to 10 in the morning, to enable partial students working in offices to avail themselves of the instruction. Such lectures will be found valuable for those studying for the R.I.B.A. and the P.Q.A.A. examinations.

The subjects of instruction and the number of hours per week devoted to each are as follows. (The allocation of time

is liable to be varied according to the aptitude of the student) :—

DEGREE OF BACHELOR OF ARCHITECTURE.

First Year.

	Hrs.		Hrs.
English	3	Architectural Drawing	4
French	4	Descriptive Geometry	6
History	4	Freehand Drawing	3
Mathematics	4	Lettering	1
Physics	2	Shopwork	2
Physical Lab	2		

Second Year.

	Hrs.		Hrs.
Mathematics	3	Building Construction	1
History of Architecture	1	Working Drawings	6
Reference	2	Surveying	2
Archt. Drawing, Historical	4	Mapping	3
Theory and Evolution of Arch.	1	Freehand Drawing	5
Design	5	Ornament, A, B, or C	1
		Detailing	3

Third Year.

	Hrs.		Hrs.
History of Architecture	2	Sanitation and Heating	1
* Reference	2	* Drain Plans and Heating Systems	3
Archt. Drawing, Historical	4	Structural Engineering	2
Ornament, A, B, or C	1	Structural Eng. Details	4
Detailing	3	Architectural Design	6
Descriptive Geometry	1	Freehand Drawing	3
Perspective	3		

Fourth Year.—(*First Term*).

	Hrs.		Hrs.
History of Architecture	2	Ornament, A, B, or C	1
* Reference	2	Detailing	3
Archt. Drawing, Historical	4	* Professional Practice	1
Planning	1	Specifications	3
Architectural Design	10	Structural Design	6
		Rendering	3

* Third and Fourth years together in alternate years

FOURTH YEAR.—(*Second Term*).

	HRS.		HRS.
History of Architecture	2	Ornament A, B, or C	1
Reference	2	Detailing	3
Planning	1	*Professional Practice	1
Archt. Design	19	*Specifications	3
		Structural Design	3

DEGREE OF BACHELOR OF SCIENCE (ARCHITECTURAL ENGINEERING).

FIRST AND SECOND YEARS

As in other Engineering Courses. For details, see page 154.

THIRD YEAR—(*First Term*).

	HRS.		HRS.
History of Architecture	2	*Sanitation and Heating	1
Reference	2	*Drain Plans and Heating Systems	3
Archt. Drawing, Historical	4	Structural Engineering	2
Building Construction	1	Structural Eng. Details	4
Working Drawings	6	Theory of Structures	3
Descriptive Geometry	1	Graphical Statics	2
Perspective	3	Testing Laboratory	3

FOURTH YEAR.

	HRS.		HRS.
History of Architecture	2	*Specifications and Professional Practice	1
Reference	2	*Reference	3
Archt. Drawing, Historical	4	Structural Design	10
Planning	1		
Architectural Design	10		

II. Chemistry.

The course in Chemistry is arranged to give the student in the first two years a thorough knowledge of the fundamental principles of Chemistry and Physics, with sufficient Mathematics to enable him to understand the theoretical parts of these subjects.

In the two subsequent years Chemistry, analytical, organic, and physical, is taught both in its purely scientific aspects and in its relations to the various departments of commercial work. Special facilities are afforded for the prosecution of post-graduate research work in all the branches of Chemistry.

* Third and Fourth years together in alternate years.

The subjects of instruction and the number of hours per week devoted to each are as follows:—

FIRST YEAR.

As in other Engineering Courses. For details, see page 154.

SECOND YEAR.

	Hrs.		Hrs.
‡Chemistry.....(p. 171), 3		§Physics.....(p. 197), 2	
Analytic Geom.....(p. 185), 3 (a)		§Chemical Laboratory(p. 171), ‡Qualitative Analysis. (p.172)	17
§Calculus.....(p. 185), 3			
§Mechanics.....(p. 185), 3 (b)		§Physical Laboratory..(p. 197) 3	

THIRD YEAR.

	Hrs.		Hrs.
‡Industrial Chemistry..(p. 172), 1½		‡Mineralogy.....(p. 19), 2	
§Organic " ..(p. 172), 1		§Practical Analytical Chemistry.....(p. 173)	18
‡Physical " ..(p. 172), 2		§Practical Organic Chemistry.....(p. 173)	
‡Determinative Mineral.(p. 191), 3			
‡Geology.....(p. 182), 3			
Metallurgy.....(p. 189), 1			

FOURTH YEAR.

	Hrs.		Hrs.
Chemistry.....(p. 173), 4		Chemical Laboratory..(p. 173), 29	
Mineralogy.....(p. 191) 6 (a)			

III. Civil Engineering.

The courses of study in Civil Engineering are designed to give to the student a sound theoretical and practical training in the sciences and principles which underlie the profession of a civil engineer. It is scarcely possible for any one person to become proficient in all branches of civil engineering, so wide is its scope and so inclusive is its purpose. As generally defined it is the "art of economically directing the great sources of power in nature to the use and convenience of man," by the construction of roads, railways, bridges, aqueducts, viaducts, canals, docks, harbours, breakwaters, light-houses, etc.; by the construction and adaptation of machinery; by the lighting and draining of cities and towns; and by the exploitation of mines. All these works are more or less governed by the same principles, and in these principles the student is carefully instructed, and by means of numerous problems occurring

(a) First Term. (b) Second Term. § Major subject.

in every day practice, he is taught to apply his knowledge to the actual conditions of life.

During the session arrangements are made for the delivery, by distinguished engineers, of special lectures or short courses of lectures on actual works of construction.

Provision is made, by means of advanced classes, for graduates and special students to continue their studies and to engage in researches with a view to the solving of some of the numberless problems which confront the engineer in every direction. Much valuable work of this character has been already accomplished, and special reference may be made to the fact that for several years graduates of other universities—some holding scholarships under the Royal Commissioners for the Exhibition of 1851—have carried out investigations in the several laboratories.

The subjects of instruction and the number of hours per week devoted to each are as follows:—

First and Second Years.

As in other Engineering Courses. For details, see page 154.

Third Year.

	Hrs.		Hrs.
Calculus & Anal. Geom.,	(p. 180), 2 (a)	Railway Structures	(p. 201), 3 (b)
Descriptive Geometry	(p. 178), 4	Railway Eng	(p. 201), 2
‡Geology	(p. 182), 3	Struct. Eng	(p. 176), 1 (a), 3 (b)
Geological Excursion	(p. 182), 3 (c)	‡Surv. & Pract. Astry	(p. 199), 2
‡Graphical Statics	(p. 176), 5 (a)	‡Theory of Structures	(p. 174), 3
‡Mapping	(p. 200), 6	Thermodynamics	(p. 187), 1
Mechanical Drawing	(p. 187), 3 (opt)	Testing Laboratory	(p. 175), 3
Mechanics	(p. 185), 2 (b)	Thermodynamic Lab	(p. 188), 2 (b)
Municipal Engineering	(p. 177), 1	Surveying Fieldwork,	(p. 199) 4 weeks
Mus. Work in Geol.	(p. 183), 2 (b), 1 (d)		

Fourth Year.

	Hrs.		Hrs.
Designing	(p. 187), 8	Theory of Structures	(p. 175), 4
Geodesy	(p. 199), 2	Geodetic Laboratory	(p. 200), 4
Graphical Statics	(p. 176), 3	Hydraulic Lab	(p. 177), 3 (a)
Hydraulics	(p. 176), 2	Testing Laboratory	(p. 175), 3 (b)
Mechanical Eng	(p. 188), 2 (a)	Surveying Fieldwork,	(p. 199) 4 weeks
Municipal Engineering	(p. 177), 1		
Roads, Railroads, &c.	(p. 201), 2		

(a) First term. (b) Second term. (c) First half of first term. (d) Second half of first term. ‡Major subject.

IV. Electrical Engineering.

The first and second years of the undergraduate course of instruction in Electrical Engineering are devoted, mainly, to a preparation in Mathematics, Physics, Chemistry, Mechanics, Drawing, Shopwork and work in the physical and chemical Laboratories.

The electrical studies of the third year embrace a consideration of continuous current flow, in circuits of different kinds, the principles of electro-magnetism, electrical measurements and the design and action of commutating machinery.

The fourth year is devoted principally to electrical work, and includes lectures and recitations on variable and alternating current phenomena, the principles of action and the design of alternating current machinery, electric lighting and systems of power distribution, central station design and operations, urban and inter-urban railways and long distance power transmission.

In the second term of the fourth year a choice may be made between electro-chemistry and hydraulics. Each fourth year student is required to present a thesis giving the results of a suitable experimental investigation.

The subjects of instruction and the number of hours per week devoted to each subject are as follows:—

First and Second Years.

As in other Engineering Courses. For details, see page 154.

Third Year.

	Hrs.		Hrs.
Calculus & Anal. Geom.,	(p. 185), 2 (a)	§Mechanical Drawing	(p. 187), 3
Chemistry	(p. 172), 1	Mechanics	(p. 185), 2 (b)
§Continuous Currents and Commutating Machinery	(p. 178), 2	§Physics	(p. 197), 2
Graphical Statics	(p. 176), 2 (a)	§Theory of Structures	(p. 174), 3
Machine Design	(p. 186), 2	Chemical Laboratory	(p. 173), 3
		§Elec. Eng. Lab	(p. 180), 6
		§Physical Laboratory	(p. 197), 6
		Testing Laboratory	(p. 175), 3 (b)

(a) First term. (b) Second term § Major subject.

FOURTH YEAR.

	HRS.		HRS.
Alternating currents and Alternating current machinery	(p. 179), 3	Hydraulics	(p. 176), 2
Electro-Chemistry	(p. 173), 1 (b)	Machine Design	(p. 187), 2 (a)
Electrical Designing	(p. 180), 4	Mechanical Eng	(p. 188), 2 (a)
Electric Lighting and Power Distribution	(p. 179) 3 (a)	Thermodynamics	(p. 187), 2
Electric Traction	(p. 179), 3 (b)	Hydraulic Lab	(p. 177), 3 (a)
		Electro-Chemical Lab.	(p. 174),3 (b
		Electrical Eng. Lab.	(p. 180), 9
		Mech. Eng. Lab.	(p. 188), 3

V. Mechanical Engineering.

The complete undergraduate course in Mechanical Engineering extends over four years, and provision is made for a fifth year or graduate course in advanced experimental and other work.

The first two years of the undergraduate course of instruction are largely occupied in preparation in Mathematics, Physics, Chemistry, Mechanics, Drawing, and Shopwork.

During the second year one lecture and one exercise class per week are devoted to the kinematics and dynamics of machines. While motion without regard to force is treated in the Kinematic course, the action of external forces in producing or changing motion in the links of mechanisms is considered in the second, third and fourth years, under the head of Dynamics of Machines. The lectures in these two subjects form the course in Mechanics of Machines. Exercise classes are held for the purpose of working the problems necessary for illustration, graphic methods being used in most cases.

The work in Machine Design is carried on during the third and fourth years in conjunction with the practical instruction in mechanical designing and drawing in the Drawing Rooms.

The course in Thermodynamics (see p. 187) deals more particularly with the theory of Heat Engines. Two lectures

(a) First term. (b) Second term.

per week are given, and time is assigned for additional graphical and experimental work in connection with the subject.

A course of two lectures per week is given during the fourth year in Mechanical Engineering as applied to questions connected with Power Installations and Prime Movers. A large portion of the work of this course is supplementary to, and follows, the instruction given in Thermodynamics and Machine Design, which extends over the third and fourth years. (See page 186).

Instruction in Workshop Practice (see p. 205) is given in each of the four years. It is of a systematic nature, and is intended to prepare for, but by no means to replace, that practical experience of workshop operations on a commercial basis which every mechanical engineer must obtain for himself.

The work of the lecture rooms is illustrated throughout the course by experimental work carried out by the student, and by demonstrations in the laboratories of the department.

Arrangements are made for occasional visits to power plants and manufactories of importance.

The subjects of instruction and the number of hours per week devoted to each are as follows:—

First and Second Years.

As in other Engineering Courses (see page 154), with additional course in May and June for Second year (p. 153).

Third Year.

	Hrs.		Hrs.
Calculus and Anal. Geom.	(p 185), 2 (a)	Mechanics	(p. 185), 2 (b)
Continuous Currents and Commutating Machinery	(p. 178), 2	§Mechanics of Machines.	(p. 186) 2
Graphical Statics	(p. 176), 2 (a)	§Thermodynamics	(p. 187), 2
§Machine Design	(p. 186), 2	§Theory of Structures	(p. 174), 3
§Mechanical Drawing	(p. 187), 6	Elect. Eng. Laboratory.	(p. 180), 3
		Testing Laboratory.	(p. 175), 3
		Mech. Eng. Laboratory.	(p. 188), 3
		Shopwork	(p. 205), 6

(a) First term. (b). Second term § Major subject.

FOURTH YEAR.

	HRS.		HRS.
Designing	(p. 187), 6	Mechanics of Machines	(p. 186), 5 (a) 2 (b)
Hydraulics and Hydraul. Mach.	(p. 176), 2	Thermodynamics.	(p. 187), 2 (a), 5 (b)
Machine Design	(p. 187), 2	Hydraulic Laboratory.	(p. 177), 3 (a)
Mechanical Eng.	(p. 188), 2	Mech. Eng. Lab.	(p. 188), 12
		Shopwork	(p. 205), 3 (a), 6 (b)

VI. Metallurgy.

The successful guidance of metallurgical industry requires, apart from considerations of business training and aptitude, an adequate knowledge of certain branches of Chemistry and Engineering as well as a familiarity with Metallurgy proper.

Provision has been made for a certain amount of specialization in the third and fourth years, a group of engineering studies being offered, optionally, with a corresponding amount of Chemistry and Metallurgy. Students electing the engineering options in both years, will, on graduating, obtain the degree of B.Sc. in Metallurgical Engineering, while those who do not elect these options will take the degree of B.Sc. in Metallurgy.

Between the second and third years there is a short summer course in the Chemical Laboratories.

In the third year, instruction is given in Chemistry, Mineralogy, Geology, Metallurgy, Ore Dressing and Ore Dressing Machinery, Mechanical Testing and Draughting. The engineering option consists of Mathematics, Graphical Statics and Theory of Structures.

Between the third and fourth years is a summer school in Metallurgical Works. In the fourth year instruction is given in Chemistry, Mineralogy, Metallurgy, Ore Dressing and Machinery. The engineering option consists of Dynamo Machinery *or* Hydraulics.

(a) First Term. (b) Second Term.

The subjects of instruction and the number of hours per week devoted to each are as follows:—

First and Second Years.

As in other courses. For details, see page 154.

Third Year.

	Hrs.		Hrs.
§Chemistry	(p. 172), 3 (a), 2 (b)	§Chemical Lab.	(p. 173), 6
§Geology	(p. 182), 3	Metallurg. Lab.	(p. 189), 6 (a), opt.
Geological Excursions.	(p. 182), 4 (c)	Determin. Mineralogy.	(p. 191), 3
Geol. Museum.	(p. 183), 1 (d), 2 (b)	Ore-Dressing Lab.	(p. 190), 3 (b)
Mechanical Drawing	(p. 187), 3	Testing Lab.	(p. 175), 3 (b)
§Metallurgy	(p. 189), 3 (a), 1 (b)	Graphical Statics	(p. 176) 2 (a) }
Min. & Metal. Mach'ry	(p. 189) 2	Calc. & Anal. Geom.,	(p. 185), 2 (a) } opt.†
Mineralogy	(p. 191), 2	Mechanics	(p. 185), 2 (b) }
Ore-Dressing	(p. 192), 2 (b)	§Theory of Struct.	(p. 174), 3 }
§Assaying Lab.	(p. 189), 3 (d), 4 (b)		

Fourth Year.

	Hrs.		Hrs.
Chemistry	(p. 173), 2	Chemical Lab.	(p. 173), 12 (a), 6 (b)
Designing	(p. 187), 3	Metal. Lab.	(p. 190), 3 (a) } 8 (b)
Mechanical Eng.	(p. 188), 2 (a)	Ore-Dress. Lab	(p. 190), 3 (a }
Metallurgy	(p. 189), 3 (a), 5 (b)	Petrography.	(p. 183), 1 (a) } opt.
Metal. Colloquium.	(p. 190), 1 (b)	Petrograph. Lab	(p. 183), 3 (b) }
Metal. Machinery.	(p. 190), 2 (a) 1 (b)	Dynamo Mach'ry.	(p. 179), 2 } opt.
Mineralogy	(p. 191), 2 (a)	Dynamo Lab.	(p. 180), 3 }
Ore Deposits	(p. 183), 3 (b), opt.	Hydraulics	(p. 176), 1 (a) }
Ore-Dress. & Milling.	(p. 193), 2 (a)	Hydraulic Mach'y.	(p. 176), 1 } opt.
		Hydraulic Lab.	(p. 176), 3 (a) }

VII. Mining Engineering.

(*With Options in Metallurgical Engineering*).

I. The first two years of the undergraduate course in Mining Engineering are mainly devoted to Mathematics, Mechanics, Physics, Elementary Chemistry, etc., as it is deemed necessary that the students should master the general principles under-

(a) First term. (b) Second term. (c) First half first term. (d) Second half first term. §Major Subject.

† These subjects form the Engineering option.

Note.—The engineering option in the fourth year is Dynamo machinery (subject to modification) *or* Hydraulics. Ore-deposits and Petrography are entirely optional

lying scientific work before they attack the somewhat complex and specialized subjects of the professional course.

In the third year, elementary courses in both Mining and Metallurgy are given, and a thorough course in Fire Assaying, but again the chief work is in Applied Mechanics, Mechanical Engineering, Geology, Mineralogy and Chemistry.

The fourth year, on the other hand, is very largely given up to detailed work in Mining, Ore Dressing and Metallurgy, and, in addition to the lectures and demonstrations, two days per week are spent in the Mining and Metallurgical laboratories and the drawing room. During the fourth year each student is required to prepare a thesis giving the result of an individual experimental investigation.

In the fourth year, students who are interested in Metallurgical work can elect to take advanced work in that subject in place of Advanced Hydraulics.

Students who wish to fit themselves for both Mining and Metallurgy are advised to take this course instead of Course VI (page 153), which is exclusively metallurgical.

The subjects of instruction and the number of hours per week devoted to each are as follows:—

First and Second Years.

As in other Engineering Courses. For details, see page 154.

Third Year.

	Hrs.		Hrs.
Calculus and Anal. Geom.,	(p. 185), 2 (a)	Surveying	(p. 199), 2
§Geology	(p. 182), 3	§Theory of Structures	(p. 174), 3
Graphical Statics	(p. 176), 2 (a)	Transportation	(p. 201), 2 (b)
§Mining Mach	(p. 192), 2	§Chemical Lab	(p. 173), 3
Mapping	(p. 200), 6 (a)	§Deter. Min. Lab	(p. 191), 3
§Mechanical Drawing	(p. 187), 3	§Fire Assaying Lab.	(p. 189), 4 (b)
§Mechanics	(p. 185), 2 (b)	Geol. Ex. & Mus.	(p. 182), 3 (c), 1 (d), 2 (b)
Metallurgy	(p. 189), 3 (a)	Ore-Dressing Lab.	(p. 192), 2 (b)
Mineralogy	(p. 191), 2	Testing Lab	(p. 175), 3 (b)
§Ore-Dressing	(p. 192), 3 (b)		

(a) First term. (b) Second term. § Major subject.

FOURTH YEAR.

	Hrs.		Hrs.
Designing	(p. 187), 3	Ore-Dress. & Milling	(p. 193), 3 (a)
Geol. & Physiography	(p. 183), 1	Petrography	(p. 183), 1 (a)
Hydraulics	(p. 176), 2 (a)	Mechanical Eng.	(p. 188), 2 (a)
Metallurgy	(p. 189), 2	Chemical Lab.	(p. 173), 9 (a), 6 (b)
Hyd.-Met., Alt	(p. 176), 1 (b)	Mining Lab.	(p. 193), 3 (a)
Mineralogy	(p. 191), 2 (a)	Metal. Lab	(p. 190), 3 (a)
Mining	(p. 192), 2 (a), 5 (b)	Ore-Dress. Lab.	(p. 190), 4 (a), 10 (b)
Mining Mach.	(p. 192), 3	Petrographical Lab	(p. 183), 3 (b)
Ore-Deposits	(p. 193), 4 (b)		

VIII. Transportation.

DEPARTMENT OF RAILWAYS.

The courses in Transportation are designed for students who will enter:—

(1) The Operating Department or Executive Offices.
(2) The Motive Power Department.
(3) The Engineering Department.

The work of the first and second years is indentical with that of the other courses in the Faculty of Applied Science; that of the third and fourth years is shown below.

The Department reserves the right to reject any student who, in its judgment, cannot fulfil the requirements of the railways.

Students in the Department will, so far as possible, enter the employ of a railway company, during the summer vacations, with the intention of continuing their connection with the company after graduation.

The subjects of instruction in each branch of the course, and the number of hours per week devoted to each, are as follows:—

OPERATING AND EXECUTIVE.

FIRST AND SECOND YEARS.

As in other courses. For details, see page 154.

(a) First term. (b) Second term

THIRD YEAR.

	HRS.		HRS.
§Economics	2	§Railway Engineering	5
Elementary Law	2 (a)	§Railway Organization	1 (a)
§English	2	§Steam Engineering	5
Freight Service	2 (b)	§Strength of Materials	1 (a), 2 (b)
Graphical Statics	5 (a)	Structural Engineering	1 (a), 3 (b)

FOURTH YEAR.

	HRS.		HRS.
Accounting	1 (a)	Physical Geography and Climatology	2
Chemistry	3 (a)	Signals and Telegraphy	5
Economics	2	Shops, Round houses, etc.	5
English	1	Electric Railways	1
Operating	3	Yards and Terminals	1
Passenger Service	1 (b)		

For particulars of the work in each of the above subjects, see pages 202 to 205.

MECHANICAL.

The work of the first, second and third years will follow that outlined for Mechanical Engineering students (p. 162). During the fourth year opportunity will be given for specializing in locomotive construction and operation.

CIVIL.

Civil Transportation students will follow the course outlined for Civil Engineering students (p. 159), and, in addition, will be required to engage in practical work during the vacations under the supervision of the Department of Railways.

(*a*) First term. (*b*) Second term. § Major subject.

COURSES OF LECTURES.

N.B.—The following courses are given subject to such modifications during the year as the Faculty may deem advisable.

I. Architecture.

The course in Architecture is now being revised. A pamphlet embodying the changes will be issued in the course of the summer.

PROFESSOR:—PERCY E. NOBBS, M.A. (Edin.), A.R.I.B.A.

ASSISTANTS:—CECIL E. BURGESS, A.R.I.B.A.
E. S. S. MATTICE, B.A.Sc.
MARCEL BEULLAC, B.Sc.

DEMONSTRATOR:— ————————

The work of the first year, which includes Mathematics, English, French, and Physics, with the first year, and History with the third year in the Arts Faculty, and Drawing and Shop-work in the Applied Science Faculty, is fully detailed under the head of each of these subjects. During the last three years the courses of study for architectural students are as follows:—

1. *History of Architecture.* SECOND YEAR. (First Term.) Egypt, Assyria, Babylonia, Greece. (Second Term.) Rome, Pompeii, the Early Christian and Byzantine periods. Mr. Burgess.

   Text Books:—"A History of Architecture," by Banister Fletcher (Batsford); Anderson and Spiers, "Architecture of Greece and Rome" (Batsford).

2. *Gothic Architecture.* THIRD AND FOURTH YEARS together (alternately). (First Term.) The Romanesque Period in Europe; the Gothic Periods in England. (Second Term.) The Gothic Periods in France and Spain; the Gothic Revivals of the XIXth Century. Mr. Nobbs.

   Text Books:—Banister Fletcher, "A History of Architecture" (Batsford); E. S. Prior, "History of Gothic Art in England (Bell); Moore, "Gothic Architecture" (Macmillan).

3 *Renaissance Architecture.* THIRD AND FOURTH YEARS together (alternately). (First Term.) The Renaissance in Italy. (Second Term.) The late Renaissance in France and England and the XIXth Century movements in Europe and America. Mr. Nobbs.

Text Books:—Banister Fletcher, "A History of Architecture" (Batsford); Anderson, "Renaissance Architecture in Italy" (Batsford); Bloomfield, "Short History of Renaissance Architecture in England" (Bell).

4. *Theory and Evolution of Architectural Forms.* SECOND YEAR. (First Term.) The origins of Art; the moral and material logic of ornament; principles of Design. (Second Term.) The evolution of column and lintel Architecture; the evolution of arched and vaulted Architecture. Mr. Nobbs.

Text Book:—G. Baldwin Brown, "The Fine Arts" (Murray).

5. *Building Construction.* SECOND YEAR. (First Term.) Masonry; concrete; brickwork; carpentry for floors and roofs. (Second Term.) Joinery for doors, casement and sash windows, stairs, etc. Mr. Burgess.

Reference Books:—Rivington, "Building Construction"; Kidder, "Building Construction and Superintendence"; Clark, "Building Superintendence"; Martin, "Details of Building Construction"; Chandler, "Construction Details"; Mitchell, "Plates of Building Construction";

6. *Ornament.* SECOND, THIRD AND FOURTH YEARS together in three courses, A, B, and C, taken consecutively in different years.

(A) *The Building Trades.* The Building Construction of the second year will, in a sense, be continued in the course on the materials and techniques of the trades. Details will be prepared for stone carvers and wood carvers, for plaster work and wrought iron and beaten metal and cast bronze; for decorative joinery and fittings; for marble pavements; leaded glazing, stained glass, and simple cabinet work. Mr. Nobbs.

Reference Books:—Dobson, "Masonry and Stonecutting"; Starkie Gardner, "Wrought Iron Work"; Millar, "Plastering, Plain and Decorative"; Day, "Windows, a Book about Stained Glass," etc.

(B) *Heraldry and Decoration.* (First Term.) Heraldry, Ancient and Modern. (Second Term.) The Evolution of Mural Decoration.

Designs for decoration will be prepared in connection with this course, which will in this way correspond with the work in the course on the Building Trades. Mr. Nobbs.

Text Books:—Day, "Anatomy of Pattern" (Batsford); Eve, "Decorative Heraldry" (Bell).

Reference Books:—Fox-Davis, "The Art of Heraldry"; Walter Crane, "The Basis of Design"; Valance, "William Morris, his Art, etc."

(C) *Historic Ornament.* (First Term.) Classic and Mediæval ornamental systems. (Second Term.) The Renaissance Styles of Ornament; the Louis Periods in France; English Ornament and Furniture down to 1800.

Designs will be prepared as in connection with courses A and B.

Reference Books: — Violet-le-Duc, "Dictionnaire Résonné"; Owen Jones, "Grammar of Ornament"; Meyer, "Handbook of Ornament"; Blanc, "Grammaire des Arts Décoratifs."

7. *The Science of Planning.* FOURTH YEAR. The planning of stables, farm buildings, cottages, workmen's dwellings, villas, country houses, city tenements, office buildings, schools, colleges, churches, hospitals, baths, banks, fire-stations, libraries, town halls, public buildings considered in the light of the governing principles of each type. For his diploma design the student will prepare a complete set of drawings for a building of moderate dimensions in connection with this course. Mr. Nobbs.

Reference Books:—Marks, "Principles of Planning"; Statham, "Modern Architecture"; Stevenson, "House Architecture"; Also back numbers of the Building Papers, etc., etc.

8. *Professional Practice.* FOURTH YEAR. (First Term.) Conditions of contract; specifications; bills of quantities. (Second Term.) Building by-laws; architectural jurisprudence. Mr. Beullac.

9. *Hygiene.* THIRD YEAR. (First Term.) Light and air, water, sanitary plumbing. Drain plans will be prepared. (Second Term.) Gas, electric light, heating and ventilation. A Heating plan will be prepared. Special lecturer to be appointed.

Reference Books:—Lister Sutcliffe, "Modern House Construction"; Stevenson and Murphy, "Public Health"; Carpenter, "Heating and Ventilating of Buildings."

10. *Structural Engineering.* Courses of lectures will be given in this subject continuing the Constructional side of the Art of Building commenced in the second year "Building Construction" class. These lectures will be provided by the Department of Civil Engineering.

Third Year. (First Term.) Materials, foundation, piers, arches, retaining walls, framed timber, roofs and floors.

(Second Term.) Iron roof truss, steel frame buildings, and fire-proof construction.

The Drawing period in connection with this course will be devoted to the designing of lumber-framed trusses and joints in iron-work. Mr. Mattice.

Reference Books: — Baker, "Masonry Construction"; Rivington, Building Construction."

Fourth Year. Special designs will be prepared for iron roofs and steel frame structures. Mr. Mattice.

Reference Books: — Baker, "High Office Buildings"· Greene, "Roofs and Bridges"; Merriman, "Theory of Structures"; Bovey, "Theory of Structures and Strength of Materials."

2. Chemistry and Assaying.

PROFESSORS:—B. J. HARRINGTON, M.A., PH.D., LL.D.
J. WALLACE WALKER, M.A., PH.D.
ASSOCIATE PROFESSOR:—NEVIL NORTON EVANS, M.A.Sc.
ASSISTANT PROFESSOR:—DOUGLAS MCINTOSH, A.M., D.Sc.
DEMONSTRATOR:—J. W. INCE, M.A.
R. S. BOEHNER, B.Sc.
A. F. ROBERTSON, M.Sc.
LECTURE ASSISTANT:—ANNIE L. MACLEOD, M.Sc.

SECOND YEAR.—Students in all the courses of Applied Science are required to take up the study of Chemistry in the second year, having previously acquired a know-

ledge of some branches of Physics in the first year of their course. They attend a course of lectures, supplemented by tutorial classes, on the laws of chemical combination, chemical formulæ and equations, the preparation and properties of the more important elements and their compounds, etc. They must also devote at least one morning or afternoon a week, throughout the session, to practical work in the laboratory, where they learn the construction and use of ordinary apparatus, and perform a series of experiments designed to cultivate the powers of observation and deduction. Many of the experiments involve accurate weighing, and for this purpose the elementary laboratory is well supplied with balances. During the second term considerable attention is also devoted to the subject of Qualitative Analysis.

Text-book:—Holleman's Inorganic Chemistry.

Students in the Chemistry Course must do in addition a large number of preparations of the ordinary inorganic compounds during the first term, and a complete course of Qualitative Analysis during the second. They must also attend a tutorial class explanatory of the laboratory work.

Text Book:—A. A. Noyes' Qualitative Chemical Analysis.

THIRD YEAR LECTURES.

(*a*) *Industrial Chemistry.*—Two lectures a week during the first term and one during the second.

Text Book:—Outlines of Industrial Chemistry. Thorp.

(*b*) *Organic Chemistry.*—One lecture a week during the session.

Text Book:—Holleman's Organic Chemistry, or Remsen's Organic Chemistry.

(*c*) *Physical Chemistry.*—One lecture a week during the session will be given on the Mass Law, and one lecture a week during the second term on Atomic Weights, Vapour Densities, the Kinetic Theory, Diffusion of Gases, Change of Physical State and Isomorphism.

Text Book:—Walker's Introduction to Physical Chemistry.

(*d*) *History of Chemistry.*—One lecture a week during the first term.

(*e*) *Qualitative Analysis.*—A course explanatory of the work done in the laboratory. One lecture a week during the first term.

Text Book:—A. A. Noyes' Qualitative Chemical Analysis.

Laboratory. (*f*) *Quantitative Analysis.*—An extensive course on gravimetric, volumetric and electrolytic methods.

Text Book:—Talbot's Quantitative Analysis.

(*g*) *Organic Chemistry.*—A course on the preparation and detection of the commonest organic compounds.

Text Book:—Holleman's Laboratory Manual of Organic Chemistry.

(*h*) *Gas Analysis.*—A course of two weeks on the main operations employed.

(*i*) *Qualitative Analysis.*—A complete course.

Students in the Chemistry course will omit (*e*) and (*i*).
Students of Metallurgy take (*a*), (*e*), (*f*), (*h*) and (*i*).
Students of Mining take only (*e*) and (*i*).

FOURTH YEAR LECTURES.

Lectures in the fourth year comprise:—

(*a*) *Organic Chemistry.*—A systematic course consisting of two lectures a week.

(*b*) *Physical Chemistry.*—The lectures are a continuation of those given during the third year and include Thermo-Chemistry, the principles of Thermodynamics as applied to chemical action, Osmotic Phenomena and their application in deducing the Ionisation Theory of Solutions, a study of such physical properties of gases, liquids and solids as are known to depend on their chemical constitution, the Phase Rule and Electro-Chemistry. Two lectures a week.

Books of Reference:— Ramsay's Text Books of Physical Chemistry.

(*c*) A course on *Mineral Analysis.*

(*d*) A course on *the Composition and Analysis of Iron and Steel.*

LABORATORY.

Laboratory work in the fourth year will be arranged to suit the requirements of students. Those intending to prosecute

organic work will take up a complete course of Organic Preparations and Analysis, but they must also spend some time on the essential Physico-chemical methods; while students of Physical Chemistry must spend enough time in the organic laboratory to become familiar with the chief methods of organic work. Those intending to devote themselves to Mineral Chemistry will omit the Organic Chemistry, but must study the more important Physico-chemical methods, and devote a large amount of time to advanced Mineral Analysis.

Laboratory courses will also be provided for students who wish to make a specialty of any particular branch of Industrial Chemistry, such as Chemistry of oils, iron and steel analysis, bleaching, paper-making, and manufacture of substances by electro-chemical and other methods.

Of the above fourth year subjects students in the Mining Course take only the lectures and practical work in Mineral Analysis.

3. Civil Engineering and Applied Mechanics.

PROFESSOR:—HENRY T. BOVEY, M.A., D.C.L., LL.D., F.R.S.
ASSOCIATE PROFESSOR:—H. M. MACKAY, B.A., B.A.Sc.
ASSISTANT PROFESSORS: E. BROWN, M.Sc., M.Eng.; W. MUIR EDWARDS, M.Sc.
SENIOR DEMONSTRATOR:—G. E. PIPER, A.R.C.S.
DEMONSTRATORS:—G. H. BRUNNER, M.Sc.; N. F. PEDLEY, B.Sc.

1. *Theory of Structures.*—The lectures on this subject embrace:—

(*a*) The analytical and graphical determination of the stresses in the several members of framed-structures, both simple and complex, as, *e.g.*, cranes, roof and bridge trusses, piers, etc.

(*b*) The methods of ascertaining and representing the shearing forces and bending moments to which the members of a structure are subjected.

(*c*) A study of the strength, stiffness and resistance of materials, including a statement of the principles relating to work, inertia, energy, together with a discussion of the nature and effect of the different kinds of stress, and the resistance offered by a material to deformation and to blows.

(*d*) The design and proper proportioning of beams, pillars, shafts, roofs, bridge piers and trusses, arches, arched ribs, masonry dams, foundations, earth works, and retaining walls.

Text Book:—Bovey's Theory of Structures and Strength of Materials.

The Laboratory Work (see page 254) is as follows:—

Third Year.—During the third year a systematized course of laboratory instruction is given in which students carry out for themselves a series of tests upon engineering materials.

The course comprises:—

(a) Linear measurements by Whitworth measuring machine, dividing engine, and micrometer gauges.
(b) Calibration of extensometers, gauges, and the like.
(c) Tension tests of long wires above and below the elastic limit.
(d) Tensile and compressive tests of cast iron, wrought iron, steel, brass, copper, timber, stone, bricks, and cements.
(*e*) Transverse tests of beams under different conditions of loading and fixing.
(*f*) Shearing tests of iron, steel, timber, stone, and the like.
(*g*) Torsional tests of metals.
(*h*) Tests of materials under compound stress.
(*i*) Tests of chains, wire cables, spikes, screws, and the like.
(*j*) Pillar tests under various conditions of loading and fixing.
(*k*) Determination of the various moduli of materials by static and dynamic methods.
(*l*) Determination of centres of gravity, moments of inertia, and moments of resistance.
(*m*) The testing of concrete and cement in accordance with standard specifications.

Fourth Year.—During the fourth year students are required to engage in a research upon the physical properties of a material of construction, with special reference to the form and position of such material in the structure.

2. *Materials of Construction.*—Elementary treatment of metallurgy of iron and steel.—Blast furnace, cast iron, wrought iron; crucible, Bessemer and open hearth processes; effects of impurities; heat treatment; principal alloys (nickel steel, tool steels, brasses and bronzes, white metals, etc.); discussion of standard specifications for iron and steel; considerations

governing selection of materials; manufacture and properties of Portland and natural cements; limes; concrete; stone and brick masonry; principal kinds of timber used for engineering purposes; preservation of timber. Strength of materials is taken up in so far as is necessary to understand standard specifications.

3. *Structural Engineering.*—Foundations; bearing power of soils; piles and pile driving; concrete piles; grillages; foundations under water; coffer dam, open dredging, pneumatic and freezing processes; examples in the design of beams, plate girders, columns, footings, piers and roof trusses; reinforced concrete; estimation of quantities from drawings; estimates of cost.

4. *Graphics.* — General methods involving the use of the funicular and force polygons; determination of reactions, centres of gravity, bending moments, moments of inertia and moments of resistance; graphical representation of shearing forces and bending moments; stresses in cranes, braced towers, roof trusses, and bridge trusses; three hinged arches, two hinged arches, masonry arches, abutments, etc.

5. *Bridge Construction.*—A course of lectures is given on practical bridge construction, including:—

(*a*) The reasons governing the selection of a particular type of bridge;

(*b*) A discussion of the loads to which the bridge will be subjected;

(*c*) The calculations of the stresses in the several members of the bridge;

(*d*) The determination of the sectional areas and forms of the members;

(*e*) The design of the connections;

(*f*) The preparation of complete engineering drawings. Dr. Bovey, Mr. Mackay and Mr. Brown.

6 *Hydraulics.* — The student is instructed in the fundamental laws governing the equilibrium of fluids, and in the laws of flow through orifices, mouthpieces, partially or wholly submerged openings, over weirs, through pipes, and in open channels and rivers. The impulsive action of a free jet of water upon vanes, both straight and curved, is carefully discussed, and is followed by an investigation of the power

and efficiency of the several hydraulic motors, *e.g.*, reaction wheels, pressure engines, vertical water wheels, turbines, pumps, etc. Dr. Bovey and Mr. Brown.

Text Book:—Bovey's Hydraulics.

The laboratory work (see also page 248) will include the following:—

(*a*) *Flow through orifices.*—The determination of the co-efficient of discharge, velocity, etc.

(*b*) *Flow over weirs.*—The determination of the co-efficient of discharge with and without side contraction. Also the measurement of the section of the stream.

(*c*) *Flow through pipes.*—The determination of critical velocities and of the effect upon the flow, of angles, bends, and sudden changes in section.

(*d*) *Impact.*—The determination of the co-efficient of impact.

(*e*) *Motors, etc.*—The determination of the efficiency of Pelton and other wheels, of vortex and other turbines, of centrifugal and other pumps, etc.

(*f*) The laboratory equipment is also available for any special hydraulic investigation.

7. *Hydraulic Machinery.*—The lectures in this course apply the principles of hydraulics to explain the construction and action of hydraulic presses, accumulators, lifts, rams, riveting machinery, pumps, multi-cylinder engines, workshop tools, turbines, centrifugal pumps, and the like. The design of one or two types is considered in detail. The hydraulic transmission of power and the design and construction of central stations is also included. Mr. Brown.

8. *Municipal Engineering.* — The lectures on this subject will embrace:—

(*a*) *Water Supply.*—The quantity and quality of water; systems and sources of supply; rainfall and evaporation; storage as related to the supplying capacity of water-sheds; natural and artificial purification; distribution, including the location of mains, hydrants, stop-valves, etc.; combined or separate fire and domestic systems; details of construction, including dams, reservoirs, pumps, etc.; preliminary surveys, estimates of cost, statistics, etc.

(*b*) *Sewerage of Cities and Towns.*—The various systems for the removal of sewage; special methods in use for its treatment and ultimate disposal; the proportioning and construction of main, branch, and intercepting sewers; man-holes, flush-tanks, catch-basins, etc.; materials used in construction; estimates of cost. Mr. Edwards.

4. Descriptive Geometry.

LECTURERS:—C. H. McLEOD, Ma.E.
H. F. ARMSTRONG.
J. B. HARVEY, M.Sc.

This course deals with the methods of representing objects on one plane so that their true dimensions may be accurately scaled. It discusses the methods employed in the graphical solution of the various problems arising in engineering design, and deals generally with the principles underlying all constructive drawing. The methods taught are illustrated by applications to practical problems. It is the aim of the work to develop the imagination in respect to the power of mentally picturing unseen objects, and, incidentally, precision in the use of the drawing instruments is attained.

First Year.—Geometrical drawing; problems on straight line and plane; projections of plane and solid figures; curved surfaces and tangent planes; intersections of surfaces; axometric projections; shades and shadows. Mr. Armstrong.

Text Book:—McLeod's Elementary Descriptive Geometry.

Third Year.—Mathematical perspective and perspective of shadows, etc.; photographic surveying; graphical detetrmination of spherical triangles; spherical projections and the construction of maps.

5. Electrical Engineering.

PROFESSOR:—R. B. OWENS, M.A., E.E., D.Sc.
ASSISTANT PROFESSOR:—L. A. HERDT, Ma.E., E.E.
DEMONSTRATOR:——————

UNDERGRADUATE COURSES.

1. *Continuous Currents and Commutating Machinery.*—The theoretical consideration of continuous current flow in circuits of different kinds; the laws of electro-magnetism and of the

magnetic circuit; the action and principles of design of commutating and rectifying machinery:—required of students in Electrical and Mechanical Engineering.

T. and Th., 9-10—Mr. Herdt. First and second terms.

Text Books:—Magnetic Induction of Iron and other Metals, J. A. Ewing; Dynamo Electric Machinery, S. P. Thompson.

2. *Alternating Currents and Alternating Current Machinery.* The theoretical consideration of variable current flow in circuits containing resistance, inductance and capacity under different conditions; the action and principles of design of synchronous and induction machinery:—required of students in Electrical Engineering. Must be preceded by course 1.

W., Th. and F., 11-12—Professor Owens. First and second terms.

Text Books:—Theoretical Elements of Electrical Engineering, C. P. Steinmetz; Alternating Currents and Alternating Current Machinery, D. C. Jackson; The Induction Motor, B. A. Behrend.

3. *Electric Lighting and Power Distribution.*—The design and operation of central and isolated lighting and power plants; the design and construction of distributing lines; arc and incandescent lighting; the appliances of stationary motors to general power purposes:—required of students in Electrical Engineering. Must be preceded by course 1.

T., W. and F., 10-11—Mr. Herdt. First term.

Text Books:—Electric Lighting, F. B. Crocker; Electric Power Transmission, Louis Bell.

4. *Electric Traction.*—Determination of power required to accelerate and draw, at different speeds, loads under varying track and other conditions; car equipment as affected by nature of service; track construction; systems of distribution for urban and for heavy through traffic conditions:—required of students in Electrical Engineering. Must be preceded by course 1.

T., W. and F., 10-11—Mr. Herdt. Second term.

Text Books:—The Electric Railway, Louis Bell; Aske & Kerley Electric Railways. Students are furnished with supplementary notes.

5. *Electrical Designing.*

(*a*) Detailed electric and magnetic calculations and complete drawings for a commutating machine, a synchronous machine and a transformer or an induction motor:—required of students in Electrical Engineering. Must be preceded by course 1, and taken in conjunction with course 2.

Saturday, 9-1—Professor Owens. First and second terms.

Text Books:—Hobart, Design of Continuous Current Machinery; Supplemented by MS. notes and data.

(*b*) Complete plans and estimates for an isolated or central lighting or power plant, including distributing system:—required of students in Electrical Engineering. Must be preceded by course 1 and taken in conjunction with courses 3 and 4.

Mr. Herdt. First and second terms.

Text Books:—No text books. Notes and data are furnished.

6. *Electrical Engineering Laboratory.*

(*a*) Includes such tests of direct current metering and controlling devices, dynamos, motors, boosters, motor-generators, dynamotors, converters, open and closed coil, constant current machines and arc and incandescent lamps as illustrate the principles of their action and the limits of their proper use; also complete test of direct current isolated or central lighting or power plant:—required of students in Electrical Engineering. Must be taken in conjunction with or be preceded by course 1.

T., Th., 2-5—Professor Owens, Mr. Herdt. First and second terms.

Text Books:—Testing of Dynamos and Motors, Charles F. Smith. In addition, students are furnished with special laboratory notes and forms.

(*b*) Includes experiments on variable current flow in circuits of different kinds; tests of alternators, synchronous motors and converters, compensators, induction motors, transformers, frequency and phase-changing apparatus, potential regulators, reaction coils, etc., and complete test of alternating lighting or power plant:—required of students in Electrical Engineering. Must be preceded by course 1 and taken in conjunction with course 2.

M., W. and F., 2-5—Professor Owens, Mr. Herdt. First and second terms.

Text Books:—Practical Alternating Current Testing, Charles F. Smith. Students are also furnished with special laboratory notes and forms.

7. *Telegraphy and Telephony.*—Single, duplex, quadruplex and multiplex telegraph systems, telephone systems, current generation for telegraph and telephone work, central telegraph and telephone stations; line construction and testing; special systems of signalling:—optional. One lecture per week, at time to be arranged—Professor Owens. First term.

Text Books:—Telegraphy, Preece and Sievewright; A manual on Telephony, Preece and Stubbs.

6. English Composition.

LECTURER:—

In view of the importance of accuracy of expression in the case of those engaged in scientific or professional work, a course on English Composition is prescribed for all undergraduates of the first year who do not give evidence of having already reached the required standard of proficiency, either by university certificates, or by passing a special exemption examination. This special examination will be held in the Molson Hall on Wednesday, September 18, at 11 o'clock.

Students who are required to take this course will be assigned to a section which will meet weekly for practice and instruction in composition. The handbook used is the latest edition (1906) of Rhetoric and English Composition (Macmillan Co.), and every member of the class is required to provide himself with a copy.

Satisfactory results in class and essay work must be obtained before entry into the Second Year.

Summer Reading.—During the vacation, undergraduates entering the second year will study Cunliffe's Nineteenth Century Prose (Copp, Clark Co.), and will be examined thereon at the beginning of their second session. The marks obtained in this examination will be reckoned in determining the relative standing at the sessional examinations at the end of the second year.

French Students may substitute for the above the following:—

Corneille—Le Cid, Horace; V. Hugo—Hernani, Ruy Blas; Balzac—Eugenie Grandet.

Students will also be required to possess some knowledge of the lives of the above French authors.

Students who have already taken equivalent courses in this, or in any other university, may be exempted from the work prescribed for Summer Reading, on written application to the Dean. All others must pass the examination.

In 1907 this examination will be held on Tuesday, September 17th, at 2.30 p.m. in the Molson Hall.

7. Freehand Drawing, Lettering, Etc.

ASSISTANT PROFESSOR:—H. F. ARMSTRONG.

In the *Freehand Course,* the object is to train the hand and eye so that students may readily make sketches from parts of machinery, etc., either as perspective drawings in light and shade, or as preparatory dimensioned sketches from which to make scale drawings.

In the *Lettering Course*, plain block alphabets, round writing, and titles, will be chiefly dealt with. In this course, also, tinting, tracing, blue printing and simple map drawing will be included.

8. Geology.

PROFESSOR:—F. D. ADAMS, PH.D., D.SC., F.R.S.
DEMONSTRATOR:—J. AUSTEN BANCROFT, M.A.
SESSIONAL LECTURER:—JOHN A. DRESSER, M.A.

The courses are arranged as follows:—

Third Year.

General Geology.—The lectures will embrace a general survey of the whole field of Geology, and will be introduced by a short course on Mineralogy. Especial attention will be devoted to Dynamical Geology and to Historical Geology, including a description of the fauna and flora of the earth during the successive periods of its past history, as well as to the economic aspects of the subject.

The lectures will be illustrated by the extensive collections in the Peter Redpath Museum, as well as by models, maps, sections and lantern slides. There will be an excursion every Saturday until the snow falls,

after which the excursion will be replaced by a demonstration in the Museum.

Text Book:—Scott, An Introduction to Geology.

Fourth Year.—

Petrography.—The modern methods of study employed in Petrography are first described, and the classification and description of rocks is then taken up.

In addition to the lectures, one afternoon a week during the second term will be devoted to special microscopical work in the Petrographical Laboratory.

Text Book:—Harker, Petrology for Students.

Petrographical Laboratory.— See page 252. This laboratory is open to fourth year mining students during the second term.

Ore Deposits, Economic Geology and Practical Geology.—The nature, mode of occurrence and classification of ore deposits will first be taken up. A series of typical occurrences will then be described and their origin discussed. The more important non-metallic materials, *e.g.*, fuels, clays, abasive materials, building stones, etc., will be similarly treated as well as questions of water supply, artesian wells, etc. The methods employed in carrying out geological and magnetic surveys and in constructing geological sections will then be taken up, with special studies in folding, faulting, etc.

The course will be illustrated by maps, models, lantern slides and specimens.

Text Books:—Geikie, Outlines of Field Geology; Kemp, Ore Deposits of the United States and Canada; Phillips and Louis, A Treatise on Ore Deposits.

Books of Reference:—The Reports of the Geological Survey of Canada, and the Monographs of the U. S. Geological Survey.

Canadian Geology.—A general description of the Geology and mineral resources of the Dominion.

Physiography.—The course will consist of a study of the principal types of land forms and their influence upon human development. Attention will be given more particularly to the practical bearing of the subject on

engineering work. During the latter part of the course, a brief description of the salient physical features of Canada will be presented.

The course will be illustrated by maps, models and lantern slides.

Physical Geography and Climatology.—Geographical subdivisions of Canada; mineral areas; timber belts; wheat areas and water powers; irrigation; climatology and its relations to occupations and soil products.

This is a special course provided for the Fourth Year students in the Department of Railways. It will be illustrated by maps, models and lantern slides.

Field Work.—The students in mining will receive a course of instruction in geological mapping and field work—extending over one week—in connection with the summer school of mining.

NOTE.—Students of the Minirg and Chemistry courses take all the Mineralogy of the third year. Mining students take all the courses of the fourth year. Chemistry students take, in addition to the Geology of the third year, the Mineralogy in the fourth year.

9. Mathematics and Mathematical Physics.

PROFESSOR:——————
ASSISTANT PROFESSOR:—MURRAY MACNEILL, M.A.
LECTURER:—W M. EDWARDS, M.Sc.

The work in this department is conducted from the outset with special reference to the needs of students of applied science. Much time is given to practice in the use of mathematical tables, particular attention being paid to the tracing of curves, graphical illustrations and solutions, methods of computing, approximations, etc.

The courses of study are as follows:—

1. *Geometry.*—Exercises in Plane Geometry, including loci, transversals, etc., elements of Solid Geometry and of Geometrical Conic Sections. First year (first term). Text Book:—Wilson's Solid Geometry and Conic Sections (Macmillan).

2. *Algebra.*—Miscellaneous theorems and exercises, exponential and other series, determinants, probabilities, properties and solution of higher equations, complex numbers and vector algebra, graphical algebra with an introduction to Analytic Geometry. First year (second term). Text Book:—Dickson's College Algebra (Wiley) with lecture notes.

3. *Trigonometry.*—Plane and Spherical. First year (second term). Text Book:—Murray's Plane and Spherical Trigonometry (Longmans), with Bottomley's and Chambers's Mathematical Tables.

4. *Analytic Geometry.*—The point, straight line, circle, parabola, ellipse and hyperbola. Second year (first term). Text Book:—Lambert's Analytic Geometry (Macmillan).

5. *Calculus.*—Differentiation of functions of one or more variables, successive differentiation, tangents, etc., multiple points, asymptotes, curvature, maxima and minima, integration, with applications to areas, volumes, moments of inertia, etc. Second year (first and second terms). Text Book:—Chandler's Calculus (Wiley).

6. *Analytic Geometry.*—Elements of Geometry of Three Dimensions . Third year (first term).

7. *Calculus.*—Various applications, elementary differential equations. Third year (first term).

8. *Dynamics.*—An elementary course in Kinematics, Kinetics, Statics and Hydrostatics. First year (first term). Text Book:—Blaikie's Dynamics (J. Thin, Edinburgh).

9. *Dynamics (Mechanics).*—Kinematics, Kinetics of a Particle, Statics. Second year (second term). Text Book:—Wright's Mechanics (Van Nostrand).

10. *Dynamics (Mechanics).*—Kinetics of a rigid body, centres of pressure, etc. Third year (second term).

Classes may also be held for advanced (optional) work in the above or other subjects. Students taking graduate courses will receive guidance in any advanced mathematics required in connection with their work.

10. Mechanical Engineering.

PROFESSOR:—R. J. DURLEY, B.Sc., MA.E.

ASSISTANT PROFESSORS: { H. O. KEAY, B.Sc. / J. W. HAYWARD, M.Sc.

LECTURER:—J. BLIZARD, B.Sc.

DEMONSTRATORS:— { ——— ——— ——— ——— / ——— ——— ——— ———

UNDERGRADUATE COURSES.

1. *Mechanics of Machines.*—Second Year.—Monday, 11; Wednesday, 11; Thursday, 12.

Kinematics of Machines.— Constrained motion; kinematic paving; velocity and acceleration in mechanisms; centrodes; analysis and classification of simple mechanisms, including the quadric crank chain, the slider crank chain and various wheel trains; design of involute wheel-teeth.

Dynamics of Machines.—Work and power; the power and turning effort of prime movers; inertia and kinetic energy of revolving and reciprocating parts of machines.

Text Book:—Durley's Kinematics of Machines (Wiley).

Third Year.—Monday, 10; Wednesday, 9.

Mechanisms involving chamber crank trains and chamber wheel trains; helical, skew, and worm gearing; relative motion and displacement; the mechanism of the simple slide valve and of expansion valves; solution of valve setting problems; the function and dynamics of engine fly-wheels and governors; elements of engine balancing.

Text Books:—Durley's Kinematics of Machines (Wiley); Ewing's Steam Engine (Camb. Univ. Press).

Fourth Year.—Tuesday, 9; Wednesday (first term), 9; Thursday, 11.

Friction and lubrication; gyrostatic action in machines; further treatment of engine governors; primary and secondary balancing of engines; knocking and shocks in reciprocating machinery; vibration.

Reference Books:—Goodman's, Mechanics Applied to Engineering; Dalby's Balancing of Engines.

2. *Machine Design.*—Third Year.—Thursday, 10. Principles of the strength of materials as applied to the design of the

parts of machines; fastenings used in machine construction, bolts, screws, keys, cotters, rivets and rivetted joints; journals and bearings; shafts and couplings.

Fourth Year.—(Monday, 12; Wednesday, 12).—Design of wheel gearing; belts, ropes and pulleys; pipes and pipe joints; cylinders; eccentrics, piston and piston rods, connecting rods, cross-heads and other engine details; flywheels; design of valves and valve gears.

Text Book:—Unwin's Machine Design (Longmans, 2 Vols.).

Book of Reference:—Low and Bevis' Machine Drawing and Design (Longmans.)

3. *Mechanical Drawing and Designing.* — Second Year. — (Monday and Thursday, 2). Elementary principles of mechanical drawing and draftsmanship; preparation of working drawings of simple machine details; making dimensioned sketches of machines and their parts; preparation of tracings.

Third Year (Monday and Thursday, 2).—Designing of simple machine parts; more difficult exercises in mechanical drawing; making assembly drawings.

Fourth Year (Monday and Thursday, 2).—The complete design of a machine, such as a steam engine, a pump, or a machine tool, is worked out, and the requisite working drawings and tracings are prepared.

4. *Thermodynamics.*—Third Year.—(Monday, 11; Tuesday, 10.)—Fundamental laws and equations of Thermodynamics; their application to gases and to vapours, saturated and superheated; efficiency of ideal heat engines; properties of steam, and elementary theory of the steam engine; elementary theory of gas and hot air engines.

Fourth Year.—(Monday, 9; Wednesday [second term], 9; Thursday, 12.—Theory of reversed heat engines and refrigerating machines; entropy and entropy-temperature diagrams; a thermodynamic study of the steam engine, including the behaviour of steam in the cylinder; economy of steam engines; influence of size, speed, and rate of expansion; compound expansion; the steam jacket; the testing of steam engines; flow of gases and vapours; theory of steam turbines; more advanced theory of internal combustion engines.

The whole course is carried out as far as possible in connection with the experimental work of the thermodynamic laboratory.

Text Books:—Ewing's Steam Engine (Cambridge Univ. Press); Peabody's Tables of Properties of Steam (Wiley).

5. *Mechanical Engineering.* — Fourth Year. — (Thursday, 10; Friday, 9.).

(*a*) *Power Plants.*—Steam boilers and steam production; fuel and combustion; corrosion and defects of boilers; boiler installations; the steam engine—estimation of power developed under various conditions; the indicator and its diagrams; steam distribution; performance of pumping and air-compressing machinery, as shown by the indicator; economy of steam machinery; gas and oil engines; gas producers and producer gas; speed regulation in steam engines; lubrication in steam engines; steam turbines and engines for special services; auxiliary machinery in power plants; effect of requirements for heating, lighting, and ventilation; general principles governing location and design of power installations.

(*b*) *Locomotive Engineering.*—Train resistance; tractive force in locomotives; locomotive performance and rating; brakes; fuel and water for locomotives.

(*c*) *Marine Engineering.*—Ship resistance and propulsion; efficiency and performance of screw propellers; marine engines and boilers; auxiliary machinery; weight, economy, and performance of marine machinery.

NOTE.—Courses (*b*) and (*c*) will be given during the second term; a student may take either of them.

Books of Reference:—Ewing's The Steam Engine (Camb. Univ. Press); Dowson & Larter's Producer Gas (Longmans); Meyer's Steam Power Plants (McGraw); Henderson's Locomotive Operation; Seaton's Marine Engineering (Griffin).

6. *Laboratory Instruction.* See page 250.

7. *Workshop Practice.* See page 205.

11. Metallurgy.

PROFESSOR:—ALFRED STANSFIELD, D.Sc., A.R.S.M.
DEMONSTRATOR:— ————

UNDERGRADUATE COURSES.

(For Metallurgical and Mining students.)

THIRD YEAR.—(1) *General Elementary Metallurgy*, including introduction, fuels, furnaces and refractory materials, typical metallurgical operations and reactions. Two lectures a week during first term.

(2) *Fire Assaying*, including introduction, furnaces, balances and other appliances, sampling and preparation of ores for assay, fluxes and reagents, assays of gold, silver, and lead ores, assays of bullion and base bullion.

Lectures, demonstrations, and laboratory work,—60 hours.

Text Book:—Lodge, "Notes on Assaying."

(3) *Mining and Metallurgical Machinery.* Lectures and laboratory, two hours a week (see Mining 2, p. 192).

(4) *Metallurgical Laboratory.* — One day a week during first term for Metallurgical students. (See Metallurgy 11, page 190).

FOURTH YEAR. (5) *The Metallurgy of iron and steel, copper, lead, gold and silver.* The lectures cover the more important dry and wet methods of extracting these metals from their ores, and refining them. The chemical, physical and mechanical properties of the metals are also considered. The milling and amalgamation, cyaniding and chlorination of gold and silver ores are excluded from this course, as they are treated in the lectures on ore-dressing (see Mining 6, p. 193).

Two lectures a week. Laboratory (see Metallurgy 11, page 190).

Books of Reference:—T. Turner, "Metallurgy of Iron"; H. M. Howe, "Metallurgy of Steel"; F. W. Harbord, "Metallurgy of Steel"; H. H. Campbell, "Manufacture and Properties of Iron and Steel"; E. D. Peters, "Modern Copper Smelting"; H. O. Hoffman, "Metallurgy of Lead"; H. F. Collins, "Metallurgy of Silver and Lead"; T. K. Rose, "Metallurgy of Gold"; C. Schnabel, "Handbook of Metallurgy," Vol. I.

(6) *Electric Smelting and Refining of Metals.*—One lecture a week during second term. (This course is alternative with Hydraulics).

(7) *Metallurgical calculations and the metallurgy of nickel, cobalt and zinc.* Two lectures a week during second term. (This course may be alternative with physiography for mining students.)

(8) Additional lectures are given in the third and fourth years to metallurgical students. In these lectures the metallurgy and electro-metallurgy of the remaining metals is considered, and attention is given to laboratory and research work in metallurgy and to furnace construction and cost of metallurgical operations.

(9) *Mining and Metallurgical Machinery* (see Mining 5, page 192).

(10) *Metallurgical Colloquium* (see Mining 7, p. 193).

(11) *Laboratory*: — One whole day per week is given to work in the Ore Dressing and Metallurgical Laboratories in the first term. This time is evenly divided between ore dressing and metallurgy, and certain typical operations in each are carried out either as demonstrations, or by groups or individual students.

One whole day and one half-day in the laboratory in the second term is given to thesis work, and in this individual work each student is permitted to elect between ore dressing and metallurgy, and, when practicable, to select his own special subject.

The following metallurgical exercises will be carried out, as far as time will permit, during the first term, either as demonstrations, individual work, or work in groups. During the second term, any of these or some similar exercises may be selected by the students as their thesis work:—(*a*) Roasting a sulphide or arsenical ore on a small scale and also in the large roasting furnaces; (*b*) formation and properties of copper or lead mattes and slags; (*c*) smelting a copper or lead ore in the water jacketed blast furnace; (*d*) melting and casting certain metals and alloys; (*e*) the use of the electric furnace; (*f*) leaching a copper or silver ore; (*g*) elementary exercises in some of the following:—pyrometry, calorimetry, flue gas analysis, tests of refractory materials, microscopic examination of metals, heat treatment of iron or steel.

The details of the ore dressing work are given in Mining (8), page 193.

METALLURGICAL EXCURSIONS AND SUMMER SCHOOLS.

Students attending the courses in Mining and Metallurgy are required to attend the Summer School in Mining (see page 195), at the end of their third year.

At this school, when practicable, a portion of the time is devoted to a thorough examination of some metallurgical establishments.

In addition to this, excursions may be made by the class from time to time to such metallurgical works as are within reach.

(*For description of Metallurgical and Assaying Laboratories, see page 250*).

12. Mineralogy.

PROFESSOR:—B. J. HARRINGTON, M.A., PH.D., LL.D.
DEMONSTRATOR:—RICHARD P. D. GRAHAM, B.A.

THIRD YEAR:—

Mineralogy.—Lectures and demonstrations illustrated by models, specimens and lantern slides. Among the subjects discussed are: crystallography; physical properties of minerals dependent upon light, electricity, state of aggregation, etc.; chemical composition, calculation of mineral formulæ, quantivalent ratios, etc.; principles of classification, description of species.

Determinative Mineralogy.—Laboratory practice in blow-pipe analysis and its application to the determination of mineral species.

FOURTH YEAR:—

Mineralogy (in continuation of the course in third year)—Description of species, particular attention being paid to those which are important as rock constituents and to the economic minerals of Canada.

Students in the Chemistry Course will also take the following subjects:—Measurement of the angles of crystals with the reflection goniometer; projection of crystal forms; calculation of axial ratios of crystals; drawing of crystal forms; use of the polarizing microscope; axial angle apparatus, etc.

13. Mining Engineering.

PROFESSOR:—JOHN BONSALL PORTER, E.M., PH.D., D.SC. (HON.)
ASSISTANT PROFESSOR:—JOHN W. BELL, M.SC.
FELLOW IN MINING:—HENRY FOX STRANGWAYS, B.SC.
SPECIAL RESEARCH ASSISTANT:—EDGAR STANSFIELD, M.SC (VICTORIA.)

UNDERGRADUATE COURSES.

THIRD YEAR.—(1) *Ore Dressing—The theory and practice of ore dressing and coal washing.*—The forms in which ores occur and the effect of mixture, impurity, etc.; the theoretical considerations affecting mineral separations; the general mechanical operations involved. Dressing Machinery—breakers, rolls screens, jigs, vanners, tables, washers, buddles, magnetic separators, etc. (Three lectures per week in the second term and laboratory. This course is continued in the fourth year. See Mining 6, page 193).

(2) *Mining Machinery.* Elementary machine design; rivets and riveted joints, screw threads, shafting, pulleys and belting; laws of thermodynamics and their application; the compression of air and the transmission and use of compressed air; tests of steam engines and boilers, of air compressors and of gas engines. (Two hours per week. This course is continued in the fourth year. See Mining 5, page 192).

(3) *Laboratory.* Simple tests of ores, sands and gravels, by means of pan, vanning shovel, hand jig, magnet, classifier, etc. (Ten afternoons in the second term. Further laboratory work in the fourth year, see Mining 8, page 193).

FOURTH YEAR.—(4) *Mining Engineering.—The principles and practice of mining.*—Prospecting, excavation, explosives and blasting, rock drills, coal cutters, etc.; gold washing, hydraulic mining and gold dredging, sinking, drifting, developing, methods of mining, timbering, hauling, hoisting, draining, lighting, ventilating, etc.; mine accidents and their prevention; general arrangement of plant, administration, stores and dwellings; examination and valuation of mines and mineral properties and mine reports. (Two lectures a week in the first term and five in the second.)

(5) *Mining and Metallurgical Machinery* (continuation of the course from the third year). The generation, transmission

and utilization of power in mining, ore dressing, and metallurgy; steam, hydraulic and electric power plants, air compressors, blowing engines, dynamos, transmission lines, motors, conveyors, cranes, hoists, pumps, ventilating machinery, etc. (Three lectures a week and twenty-five afternoons in the designing room.)

(6) *Ore Dressing and Milling.* Continuation of the ore dressing course of the third year; concentration plants, coal breakers and washers, dry concentration, amalgamation, gold and silver milling, cyaniding, chlorinating, etc. (Three lectures a week in the first term.)

(7) *Mining Colloquium.* One hour a week from the time assigned to lectures throughout the session is given to informal discussion of the work being done in the department and to other matters relating to mining, ore dressing and metallurgy. Students are required to take the leading part in these discussions.

(8) *Laboratory.* Two mornings per week in the first term and one whole day and one half-day per week in the second are given to the ore dressing and metallurgical laboratories. In the first term this time is evenly divided between Ore Dressing and Metallurgy, and certain typical operations in each are carried out. In the second term each student is permitted to choose an individual subject or thesis, and the whole of the laboratory time in the second term is given to this thesis work.

The set exercises in Ore Dressing comprise a series of experiments in crushing, classifying, jigging, slime treatment, magnetic separation, and amalgamation, and include a complete trial run of the five-stamp battery on a free milling gold ore.

The subjects available for thesis work are very numerous, and range from purely theoretical investigations in classification, concentration, etc., to the experimental determination of the best methods of treatment of ores and coals. Over one hundred different lots of ore are available, and the quantities are sufficient for work on a comparatively large scale. New ores are constantly being secured.

TEXT BOOKS:—

No set text books are used, but students are recommended to freely consult the following works of reference, in addition to the special references given from time to time: Sir C. LeNeve Foster's Ore and Stone Mining, H. W. Hughes' Text Book of Coal Mining; Saunders's Mine Timbering; Ihlsing's Manual of Mining; R. H. Richard's Ore Dressing; T. A. Rickard's Stamp Milling of Gold Ores; H. Louis' Handbook of Gold Milling; T. K. Rose's Metallurgy of Gold; M. Eissler's Metallurgy of Gold; H. F. Collins' Metallurgy of Silver; James' Cyanide Practice; The Coal and Metal Miners' Pocket-book.

LABORATORIES.

During the first three years of the course the students do systematic work in the several workshops and laboratories of the other departments. During the last half of the third and the whole of the fourth year they spend a large proportion of their time in the special laboratories for Ore Dressing and Metallurgy. (See pp. 250 and 251). In these, the general method is first to conduct before the whole class a limited number of important typical operations, and then to assign to each student certain methods which he must study out in detail, and upon which he must experiment and make written report. In this work he is guided by the professors and demonstrators, and assisted by the other students, whom he must in turn assist when practicable. In this way every student acquires detailed knowledge of certain typical operations and a fair general experience in many of the important methods in use.

ILLUSTRATIONS, MUSEUMS, SOCIETIES, ETC.

In addition to a large series of lantern slides, the department owns a collection of about four thousand photographs and other illustrations. This collection is constantly being enlarged.

The Museums of the building contain suites of ores, concentrates, fuels and metallurgical materials, models of mines and furnaces, and collections of finished products.

The McGill University Mining Society meets to read and discuss papers by graduate and student members,

and from time to time to hear lectures given by gentlemen eminent in the profession. Special arrangements are made whereby students may attend meetings of the mining section of the Canadian Society of Civil Engineers, and members of the Mining Society are privileged, for a nominal fee, to become student members, and to receive all the publications of the Society.

The Society has also been made a students' section of the Canadian Mining Institute, and its undergraduate members are therefore student members of the Institute, and receive all its publications. Papers read before the Mining Society may be entered in competition for any students' prizes offered either by the Can. Soc. Civil Engineers or by the Can. Mining Institute. See pp. 42 and 47.

Field School in Mining.

The summer vacation class instituted in 1897 is now a fixed part of the course. All students of Mining in regular course are required to attend this class at the end of the third year.

The school lasts about six weeks. Of this period about one-sixth is given to field work in geology, one-half or more to mining work proper, and the remainder, when practicable, to an examination of ore dressing and milling plants and metallurgical establishments. The professor of mining and his assistant go with the party and hold daily demonstrations or classes. The students take notes and sketches on the ground, and afterwards are required to work up these notes and to submit a formal report on some part or the whole.

The work in Geology and Metallurgy is carried on by officers of these departments, who attend the school for this purpose, and in certain cases it is found practicable to permit students especially interested in these subjtects to substitute additional work in them for a portion of the Mining.

During the last ten years these field parties have visited British Columbia twice, Nova Scotia thrice, Pennsylvania twice, Michigan, Newfoundland and Ontario one each. In 1907 the work was done in the Cobalt district of Ontario and in British Columbia.

The instruction given during this field course is free to all mining students, the only expense to them being the cost

of board, lodging, and railway fares. These expenses are kept as low as is practicable and are in part met by the income of a fund provided by Sir William Macdonald, from which deserving students who require aid can also have money advanced them by applying to the Professor of Mining.

14. Physics (Experimental).

PROFESSORS:—JOHN COX, M.A., LL.D.
H. T. BARNES, M.A.Sc., D.Sc.
LECTURER:—H. L. BRONSON, PH.D.
DEMONSTRATORS:—R. W. BOYLE, M.Sc.
(*Senior Demonstrator.*)
G. W. SHEARER, B.Sc.
F. H. DAY, B.Sc. (Boston.)

UNDERGRADUATE COURSES.

The instruction includes a fully illustrated course of experimental lectures on the general principles of Physics (embracing, in the first year, *The Laws of Energy—Heat, Light, and Sound;* in the second year, *Electricity and Magnetism*), accompanied by courses of practical work in the laboratory, in which the students will perform for themselves experiments, chiefly quantitative, illustrating the subjects treated in the lectures. Opportunity will be given to acquire experience with all the principal instruments used in exact physical and practical measurements.

LABORATORY COURSE.

FIRST YEAR. — Three hours per week spent in practical measurements in the Macdonald Physical Laboratory in conjunction with the lecture courses and in accordance with the following outline:—

Heat.—Construction and calibration of thermometers; melting and boiling points; air thermometer; expansion of solids, liquids and gases; calorimetry; pyrometry.

Sound.—Velocity of sound; determination of rates of vibration of tuning forks; resonance; laws of vibration of strings.

Light.—Photometry; laws of reflection and refraction; focal lengths and magnifying powers of mirrors, lenses, telescopes and microscopes; the sextant; spectroscope, spectrometer, diffraction grating, optical bench, polariscopes.

Text Books:—Watson, (Longmans); Tory and Pitcher, Laboratory Manual.

SECOND YEAR.—*Magnetism and Electricity.*—Measurements of pole strength and moment of a magnet; the magnetic field; methods of deflection, and oscillation; comparison of moments and determination of the elements of the earth's magnetism; frictional electricity.

Current Electricity.—A complete course of measurements of current strength, resistance, and electromotive force; calibration of galvanometers; the electrometer; comparison of condensers; electromagnetic induction.

Text Books:—S. P. Thompson, Electricity and Magnetism; Tory and Pitcher, Laboratory Manual.

An additional course of six weeks, involving four laboratory periods per week with lectures, will be given in May and June.

THIRD YEAR.—Students of Electrical Engineering will continue their work in the Physical Laboratory in the third year. The following is a brief outline of the course:—

Magnetic elements and measurements; use of variometers; testing magnetic qualities of iron; theory and practice of absolute electrical measurements; comparison and use of electrical standards of resistance, E. M. F., self-induction, and capacity; principles of construction of electrical instruments; testing and calibration of ammeters, voltmeters and wattmeters; insulation and capacity tests; electrometers and ballistic methods; construction and treatment of storage cells; testing for capacity and rate of discharge; electric light photometry.

ADVANCED COURSES.

The following are some of the sections in which special provision has been made for advanced physical work:—

Heat.—Thermometry:—comparison and verification of delicate thermometers; air thermometry; measurement of high temperatures; electrical resistance thermometers and pyrometers; thermo-electric pyrometers.

Calorimetry:—Mechanical equivalent of heat; variation of specific heat and temperature; latent heat of fusion and vaporisation; heat of solution and combustion; electrical methods; radiation and conduction of heat with special methods and

apparatus; dynamical theory of gases; viscosity; surface tension; variation of properties with temperature.

Light.—Photometric standards; spectro-photometry; theory of colour vision; spectroscopy and spectrum photography; compound prism spectrometers; six inch and 2½ inch Rowland gratings; study of spectra of gases; fluorescence and anomalous dispersion; polarimetry; Landolt and other polarimeters; form of wave surface.

Sound.—Velocity in gases and various media; absolute determinations of period; harmonic analysis of sounds; effects of resonance and interference.

Electricity and Magnetism.—Magnetic properties; influence of stress and torsion; influence of temperature; effects of hysteresis; magneto-optics; other effects of magnetisation; diamagnetism; electrical standards and absolute measurements; calibration of electrical instruments; insulation and capacity testing; electrometer and ballistic methods; temperature, variation of resistance, and E.M.F.; thermo-electric effects; electrolysis; chemistry of primary and secondary batteries; resistance of electrolytes; polarisation; electric discharge in gases and high vacua; dielectric strength; behaviour of insulators under electric stress, specific inductive capacity; alternating currents of high frequency and voltage; electrical waves and oscillations; conductivity of gases, and radio-activity.

15. Surveying and Geodesy.

PROFESSOR:—C. H. McLEOD, Ma. E.
LECTURER:—J. B. HARVEY, M.Sc.
DEMONSTRATOR:—E. O. TEMPLE PIER:, B.Sc.

This course is designed to give the student a theoretical and practical training in the methods of Plane and Geodetic Surveying, in the field work of engineering operations, and in practical astronomy. The lecture course is divided as follows:—

Second Year.—Chain and angular surveying; the construction, adjustment, use and limitation of the transit, level, micrometer, compass and minor field instruments; topography; levelling; contour surveying; descriptions for deeds; general land systems of the Dominion and Provinces. Mr. Harvey.

Third Year.—Theory and use of office and field instruments; theory of transition curves; hydrographic surveying; the use of the plane table; mining surveying; barometric and trigonometric levelling; elements of geodetic surveying; elements of practical astronomy. Professor McLeod.

Fourth Year.—*Practical Astronomy*:—The determination of time, latitude, longitude and azimuth. *Geodesy*:—Figure of the earth, measurements of base lines and triangulation systems; adjustment and reduction of observations. Professor McLeod.

Field Work.—The students are required to carry out the following work:—

In the Second Year:—(1) A farm survey using chain and compass; (2) a compass and micrometer survey; (3) a detail survey using chain and offset; (4) levelling; (5) transit work.

In the Third Year.—(1) Level and transit practice, including the adjustments of the instruments; (2) a survey and location of a railway line, with determination of topography and contours and subsequent staking out for construction; (3) a stadia survey; (4) a hydrographic survey of a river channel, including measurement of discharge; (5) a survey at night illustrating underground methods; (6) astronomical observations with sextant and engineer's transit.

In the Fourth Year:—(1) Determination of latitude (*a*) by transit and sextant observations on Polaris, (*b*) by zenith telescope, (*c*) by noon observations with transit and sextant; (2) determination of azimuth, (*a*) by equal altitude observations of the sun, (*b*) by observation of elongation of Polaris, (*c*) by observation of a circumpolar star with engineer's transit, (*d*) by means of solar attachments and solar compass; (3) determination of time, (*a*) by equal altitude observations of the sun with sextant and transit, (*b*) by observations of the meridian passage of stars with astronomical transit; (4) determination of longitude by clock comparisons and by lunar observation; (5) base line measurements; (6) precision levelling; (7) measurement of angles by geodetic methods; (8) plane table surveys; (9) special problems in railroad track work.

All students are required to keep complete field notes, and to prepare maps, sections and estimates from their own surveys. This office work is principally done during the regular session.

Field work is required of all students of the second year (except those taking the Practical Chemistry Course), of students of the third year in the courses of Civil and Mining Engineering and in Transportation, and of the fourth year in the Civil Engineering Course. The work will begin in 1907 on 19th August, and will continue for a month.

The following determinations of the constants and errors of surveying instruments are made in the geodetic laboratory (for equipment, see page 247) by the fourth year students in the Civil Engineering Course:—

(1) Measurement of magnifying power; (2) errors of graduation; (3) measurement of eccentricity of circles; (4) determinations of errors of run of theodolite microscopes; (5) investigation of the errors of graduation of a standard bar; (6) graduating scales with the dividing engine, and comparison thereof on the comparator; (7) investigation of the errors of graduation of circles on the circular comparator; (8) determination of the constants of steel tapes; (9) investigation of the graduation errors of steel tapes on the fifty-foot comparator; (10) determination of the scale value of level vials; (11) investigation of the accuracy of barometers.

The equipment of the surveying department comprises the following, in addition to the apparatus of the observatory and geodetic laboratory:—Fifty-four transit theodolites by various makers, with solar and mining attachments; a photo-theodolite; an 8-in. alt-azimuth; nineteen dumpy and thirteen wye levels; two gradient-telemeter levels; hand levels and clinometers; three precision levels; thirteen surveyor's compasses; one miner's dial; three prismatic compasses; pocket compasses; two solar compasses; marine sextants; artificial horizons; box sextants; two reflecting circles; seven plane tables; six current meters; Rochon micrometers; double image micrometers; field-glasses; two heliotropes; several barometers; 300 ft. and 500 ft. steel tapes suitable for base measurements; steel chains and steel bands; linen and metallic tapes; sounding

lines; pickets; levelling rods; micrometer targets; slope rods; pedometers; station pointer, pantographs, planimeters, slide rules and minor appliances.

EXAMINATIONS FOR LAND SURVEYORS:—Any graduate in the Faculty of Applied Science in the Department of Civil Engineering and Land Surveying, may have his term of apprenticeship shortened to one year for the profession of Land Surveyor.

Text Books and Books of Reference:—Gillespie's Surveying, Johnson's Theory and Practice of Surveying, Shortland's Nautical Surveying, Greene's Practical and Spherical Astronomy, Nautical Almanac, Baker's Engineers' Surveying Instruments.

ROADS, RAILWAYS AND CANALS.

The lecture course is subdivided as follows:—

Railway Engineering.—Third Year:—History of Canadian railways; principles of location; preliminary and location surveys; railroad curve problems; the measurement of quantities; preliminary and final estimates; management of construction; contracts and specifications; the duties of the engineering staff during location; the major construction problems to be dealt with; the construction clauses of the Railway Act of 1903; track surveying and track work; switches and turnouts; the economic theory of location; operating expenses; rolling stock and motive power; train resistances; momentum; traffic; topography; the adjustment of the limits of grades and curvature to the conditions of the special undertaking; compensating; the effect of rise and fall, curvature and distance on operating expenses; usual methods of locomotive rating.

Railway Engineering.—Fourth Year:—Details of track construction; ballast, rails, ties, fastenings; yard design; local yards; divisional yards; terminals; the principals of signalling and train movement; standard rules; interlocking plants.

Electric Railway Engineering.—Fourth Year:—Motive power; car resistances; speed-time and distance-time curves; principles of location; traffic estimates; surveys; construction estimates; special track details; turnouts and switches; oper-

ating expenses; economics of location; similarity between steam and electric railroad construction; conditions under which the use of electric power is especially desirable.

Common Roads.—Fourth Year:—Provisions made for their construction in the subdivision of land; principles of location; tractive power; resistances; economics of design; surveys; details of construction; grades; road materials; drainage; snow; maintenance; cost of construction; cost of traffic movement; special constructions for city streets.

Canals.—Fourth Year:—Canadian canal system; geography and history; commercial importance; surveys; hydrographic questions; effects of climate; details of construction; wave movement; canal prism; locks; guard gates; by-passes; sluices; alignment; entrance piers; speed of traffic; cost of maintenance; cost of vessel operation; cost of water transportation; economics.

Text Books and Reference Books:—Shunk's Field Engineer; Allen's Railway Curves and Earthwork; Wellington's Economic Theory of Railroad Location; Smith's Railway Engineering; The Railway Act of 1903; Recommended Practice M. of Way Association; Stephen's Rules for Railroad Construction; Rules of the Maintenance of Way Department, Canadian Pacific Railway; Paine's The New Roadmaster's Assistant; Standard Rules; Gotshall's Electric Railway Economics; Gillette's Construction of Macadamized Roads; Byrne's Highway Construction.

16. Transportation.

PROFESSOR:—CLARENCE MORGAN, B.A. (HARVARD).

THIRD YEAR. (*Operating and Executive.*)

Economics.—Economic theory, with special reference to the organization of modern commerce and industry, railways and their development, essay writing, the preparation of reports and discussion of practical problems.

Elementary Law.—This course is intended to present such an outline of the law as will be useful to business men, with a more detailed study of the law affecting railroads. The main topics of general law dealt with will be elementary

notions of jurisprudence, explanation of legal terms, the franchise and an outline of the law of real property, contracts, torts and commercial paper.

In the more special part the Railway Act will be explained and an outline given of the law of common carriers.

Special attention will be given to such subjects as expropriation, damage-suits against railroads, and the more usual forms of contracts with carriers. Dr. Walton.

English.—The preparation and criticism of reports on stated subjects, the object being to acquire a clear and accurate style.

Freight Service.—The freight department and the methods of conducting it, records, etc.; a full explanation of the methods and means of handling freight. Mr. Herbert Martin.

Graphical Statics.— Problems in beams, cranes, derricks, roof trusses, car-framing, etc. Mr. Mackay.

Railway Engineering.—Details and theory of location, construction and maintenance of road bed track and structures.

Railway Organization.—Organization and work of the various departments; duties of the officers. Mr. Morgan.

Steam Engineering.—(First Term)—Elementary course on the steam engine with laboratory work. (Second Term)—boiler work, power, plants. gas engines and elementary locomotive construction and operation and laboratory work. Mr. Keay.

Strength of Materials.—Study of the strength and resistance of materials as applied to beams, columns, shafts, foundations, etc., with laboratory work. Mr. Mackay.

Structural Engineering.—Foundations; bearing power of soils, piles, and pile driving; open dredging, pneumatic and freezing processes; design of beams, girders, columns, footings, piers; taking off quantities from drawings; estimates of cost; drafting room work. Mr. Mackay.

Students will be required to secure a working knowledge of shorthand during the Third Year.

FOURTH YEAR.—(*Operating and Executive*).

Accounting.—The principles of accounting, statistics, their nature and value. Mr. Morgan.

Chemistry.—Boiler incrustations, corrosions and pitting; simple laboratory methods for determining scale-forming constituents, hardness, acidity, etc. Dr. Harrington.

Economics.—The work of the year will consist mainly of advanced studies in Railway Economics. These will include, the theory of railway rates, the taxation of railways, state ownership and state control, railway commissions. Attention will also be given to special Canadian economic questions closely related to the transportation system of the country. Under this head will be included the tariff and banking systems of Canada, land settlement and immigration, Canadian public finance and the relation of the Dominion to the provincial governments.

Seminar of two hours per week to be devoted to work leading to a graduating thesis on subjects of intimate connection with transportation and commerce in Canada.

English.—Continuing the work of the third year.

Operating.—Organization, train movements, despatching, train orders, etc.; time tables, make up of trains and assignment of crews; pay and methods employed.

Passenger Service.—The passenger department, its organization, methods and general principles governing passenger business; baggage system; mail and express.

Physical Geography and Climatology.—Geographical subdivisions of the country; mineral areas; timber belts; wheat areas and water powers; irrigation; climatology and its relations to occupations and soil products. Mr. Bancroft.

Signals and Telegraphy.—Equipment and operation of standard signal system; telegraphy.

Shops, Round Houses, etc.—Their design, equipment and location. The distribution of motive power, tonnage rating of locomotives, coal and water supply. Economy in motive power operation. A study of Terminal Facilities with reference to freight and passenger traffic. Mr. Keay.

Electric Railways.—The traffic they carry; their location and construction; their future.

Yards and Terminals.—Buildings and tracks; division and through yards, their location and lay-out; passenger terminals.

17. Shopwork.

INSTRUCTORS.

CARPENTER SHOP AND PATTERN SHOP .....G. WOOLEY.
SMITH SHOP .....J. STEWART.
FOUNDRY .....H. LANE.
MACHINE SHOP.....A. W. MILLER.

The course in shopwork is intended to afford some preparation for that study of workshop practice on a commercial scale which every engineer has to carry out for himself. With this end in view, the student works in the various shops of the department, and completes in each a series of practical exercises. He thus obtains some knowledge of the nature and properties of the various materials he employs; he receives systematic instruction in the use and care of the more important hand and machine tools; and he acquires some manual skill.

The instruction thus obtained must, however, be continued and supplemented. *For this purpose students are expected to spend the greater portion of each long vacation in gaining practical experience in engineering workshops outside the University.*

Throughout the course, advanced students are as far as possible entrusted with the construction and erection of machinery and apparatus which afterwards form part of the equipment of the department. An air-compressor, a boring bar, a belt-testing machine, and a duplex feed pump, are examples of the work which has been done in this manner. Such students are also encouraged to see and assist in the repairs required by the engines, boilers and machine tools in the engineering building.

Students are required to read and make notes of selected portions of certain text-books, and articles in technical journals, illustrative of the work done in each shop.

In connection with his shopwork each student is required to keep a record of his work. These records or notes are made on standard forms, they are handed in to the Shop Instructor at the close of each period of work, and, together with diligence and the results of a brief written examination, form the basis on which credit for shopwork is assigned.

The work of the various shops is carried out under the direction of the Professor of Mechanical Engineering. The following are the subjects of instruction:—

Carpentry and Joiner Work.—Sharpening and care of wood-working tools; sawing, planing and paring to size; preparation of flat surfaces, parallel strips, and rectangular blocks; construction of the principal joints employed in carpentry and joiner work, such as end and middle lap joints, end and middle mortise and tenon joints, mitres, and dado and sash joints; dovetailing; scarfing; joints used in roof and girder work; wood-turning; use of wood-turning tools.

Pattern making. — Use of pattern-makers' tools; elements of pattern-making; allowances to be made for draught and for contraction in moulding and casting; use of contraction rule; preparation of prints and plain core-boxes; exercises in paring and turning; construction of patterns and core boxes for pipes, flanges, elbows, tees, and valves; more difficult exercises in pattern-making, including built-up patterns and face-plate work; gear and wheel patterns.

Smith-work. — The forge and its tools; use and care of smiths' tools; management of fire; use of anvil and swage-block; drawing taper, square and parallel work; bending, upsetting, twisting, punching, and cutting; welding and scarfing; forging, hardening, and tempering tools for forge and machine work; tempering drills, dies, taps, and springs.

Foundry-work. — Moulders' tools and materials used in foundry work; the cupola; the brass furnace; preparation of moulding sand; boxes and flasks; core-making; use of core-irons; bench moulding; blackening, coring and finishing moulds; vents, gates and risers; special methods required in brass moulding; floor moulding; open sand work; advanced examples of moulders' work; melting and pouring metal: mixtures for iron and brass casting.

Machine-shop Work.—Exercises in chipping; preparation of flat surfaces; filing to straight edge and surface plate; scraping, screwing and tapping; use of scribing block and surface gauge; marking off work for lathes and other machines; turning and boring cylindrical work to gauge; surfacing; screw-cutting and preparation of screw-cutting tools; use of turret lathe; taper turning; machining flat and curved surfaces on the planing and shaping machines; plain and circular milling with vertical and horizontal spindles; gear-cutting; cutter-grinding; drilling and boring; use of jigs; grinding flat and cylindrical surfaces; cutting tools for hand and machine; their cutting angles and speeds; dressing and grinding tools.

INFORMATION FOR STUDENTS IN LAW

THE SESSION 1907-1908 WILL OPEN ON TUESDAY, SEPTEMBER 10TH, 1907.

The lectures are delivered in the rooms furnished for the Faculty in the east wing of McGill College by its munificent benefactor, Sir Wm. C. Macdonald.

Students have the free use of the Law Library of the Faculty, to which large additions are continually being made, those lately added including, among many others, the Ontario Reports, the Nova Scotia Reports, Dalloz, Recueil Périodique, Campbell's Ruling Cases, the Encyclopædia of the Laws of England, the new series entitled "The English Reports," the American and English Encyclopædia of Law and the American and English Encyclopædia of Pleading and Practice. It is hoped that before long this Library will contain all the Reports of the several Provinces of Canada. The principal reports and legal periodicals are taken. A special room for Law students is provided in the University Library. This room is open during the day, and in the evenings from eight to ten o'clock.

Particulars regarding the following points will be found on the pages named:—

	Page.
Fees	57
Matriculation*	20
Medals and Prizes	47
Registration	49

For Time Tables of Lectures, see first part of Calendar.

* The attention of students who intend to practise law in the Province of Quebec, or to be admitted to the notarial profession, is called to the statutory requirements for admission to study. These will be found on pp 221 to 224.

SPECIAL REGULATIONS.

1. The Register of Matriculation shall be closed on the 1st of October in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a special examination to be determined by the Faculty; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

2. The lectures will be delivered between the hours of half-past 8 and half-past 9 in the morning, and between 4 and half-past 6 in the afternoon; and special lectures in the evening at such hours and in such order as shall be determined by the Faculty. Professors shall have the right to substitute an examination for any such lecture.

3. Undergraduates shall be known as of the first, second, and third year, and shall be so graded by the Faculty. In each year, students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

4. At the end of each college year there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation. The examination shall be conducted by means of printed questions, answered by the students in writing in the presence of the examiners.

5. At the end of the third college year there shall be a final examination of those students who have completed the curriculum. This examination shall be conducted by written papers, which may be supplemented by an oral examination. It shall cover all the subjects upon which lectures have been delivered during the three years' course. Those students who satisfy the examiners shall be entitled, after making the necessary declaration and payment of the Graduation Fee, to proceed to the Degree of B.C.L. There shall be no sessional examination of students who are candidates in the final examination.

6. No student shall be considered as having kept a session unless he shall have attended regularly all the courses of lec-

tures, and shall have passed the sessional examinations to the satisfaction of the Faculty in the classes of his year.

7. The Faculty shall have the power, upon special and sufficient cause shown, to grant a dispensation to any student from attendance on any particular course or courses of lectures, but no distinction shall in consequence be made between the examinations of such students and those of the students regularly attending lectures.

8. Every candidate, before receiving the degree of B.C.L., shall make and sign the following declaration:—

Ego A.B. polliceor sancteque recipio, me, pro meis viribus, studiosum fore communis hujus Universitatis boni, et operam daturum ut ejus decus et dignitatem promoveam, et officiis omnibus ad Baccalaureatus in Jure Civili gradum pertinentibus fungar.

9. On the following days, when they fall within the session, no lectures will be delivered, viz.: Ash Wednesday, Good Friday, Easter Monday, and Thanksgiving Day. On the following days the morning lectures will be omitted, viz.: All Saints' Day (Nov. 1st), and Conception Day (Dec. 8th).

ADVISORY COMMITTEE.

The attention of the McGill Law Faculty has been drawn to the fact that students commencing their undergraduate course frequently need information with regard to law offices in which their services would be welcomed. For the purpose of furnishing such information and also of assisting the graduates of the Law school to obtain suitable positions in offices needing legal assistance, a number of members of the Bar have been kind enough to form themselves into an Advisory Committee. Members of the Bar desiring the assistance of students or young graduates are requested to communicate with the Secretary of this Committee, Mr. C. M. Cotton, B.A., B.C.L. The Committee consists of the following gentlemen:—

C. J. Fleet, B.A., B.C.L., K.C.; W. J. White, M.A., D.C.L., K.C.; E. E. Howard, B.A., B.C.L.; Lawrence McFarlane, B.A., B.C.L.

THE COURSE OF STUDY.

The Curriculum extends over three years. It includes lectures upon all the branches of the Law administered in the Province of Quebec, and also upon Roman Law, Legal History, and the Constitutional Law of England, and of the Dominion. Its primary design is to afford a comprehensive legal education for students who intend to practise at the Bar of the Province. In all the courses the attention of students is directed to the sources of the Law, and to its historical development. During their first year the students will attend one hundred lectures on Roman Law, from which the law of this Province is in great part derived. In the lectures on Legal History, the history of our law since the Cession, and its relations to the French and to the English law, will be explained. First year students will also attend courses on the Law of Persons; the Law of Real Estate; the Law of Obligations; the elementary rules of Procedure; and an introductory course on Criminal Law. A new feature of the first year curriculum is a practical course on Pleading, with numerous exercises in drafting. This course will be given in French. The remaining branches of law, civil, commercial, and criminal, will be dealt with in the second and third years. During the three years the Civil Code, the Criminal Code, and the Code of Civil Procedure will be covered, and lectures will also be given upon subjects, such as Bills of Exchange, Merchant Shipping, and Banking, which are regulated mainly by special statutes.

The Faculty desire to impress upon English students the great importance of obtaining a familiar knowledge of French. In the practice of the profession in this Province it is indispensable that a lawyer shall be able to write and speak French. The Faculty are determined to exact a high standard in this subject, and have passed a new regulation to secure this end (see page 20). Moot Courts are held from time to time in order to afford practice in the presentation of legal arguments.

Those students who are able to take the B.A. course before entering upon their legal studies are strongly recommended to do so. Those for whom this is impossible are

advised to attend courses in the Faculty of Arts for two years.

COURSES OF LECTURES.

Roman Law.

PROFESSOR:—F. P. WALTON, B.A. (Oxon), LL.B. (Edin.), LL.D. (Aberd.)

During the first part of the course the external history of the law from the early period to the codification of Justinian will be dealt with. The sources of the law will be described, and the gradual evolution explained by which the law of the city of Rome became fitted to be the law of the civilized world. A brief sketch will be given of the legal institutions of Rome in the first period and of the early constitutional history.

In the doctrinal part of the course matters mainly of antiquarian interest will be touched on but slightly. Those portions of the Roman Law which have been followed most closely in the existing law of the Province, *e.g.*, property, servitudes, pignus and hypothec, and obligations, will be treated in detail, and the modifications made by the modern law will be noticed. Class-examinations will be held from time to time, and a first and second prize in books will be given to the two students who obtain the highest marks in these examinations.

Text-books—For the historical part, Walton's Historical Introduction to the Roman Law; and for the Institutes, Moyle's or Sandar's Institutes of Justinian, or Girard, Manuel de Droit Romain.

Books of Reference:

Muirhead's Historical Introduction to Roman Law; Muirhead's Institutes of Gaius; Maynz, Cours de Droit Romain; Puchta, Institutionen; Maine's Ancient Law.

Constitutional and Administrative Law.

PROFESSOR:—F. P. WALTON, B.A. (Oxon), LL.B. (Edin.), LL.D. (Aberd.)

The object of this course is to shew the actual working of the Canadian constitution. A sketch of the constitu-

tional history prior to Confederation is given. The B. N. A. Act is explained, and the leading cases discussed which illustrate the respective powers of the Federal and of the Provincial Legislatures. The growth of Cabinet Government is traced, and some of the fundamental rules of the English Constitution are expounded and contrasted with those followed in other countries.

No text-book is prescribed, but students are recommended to refer to Todd, Parliamentary Government in the British Colonies; Houston, Constitutional Documents of Canada; Dicey, Law of the Constitution; Anson, Law and Custom of the Constitution.

Obligations—Advanced Course.

PROFESSOR:—F. P. WALTON, B.A. (Oxon), LL.B. (Edin.), LL.D. (Aberd.)

Two alternate courses are delivered to students of the second and third years.

Their object is to explain important parts of the law of obligations in more detail than is possible in the general course on the subject.

The method is mainly the explanation of illustrative cases. Frequent references are made to French and English decisions.

Legal History and Bibliography.

PROFESSOR:—A. McGOUN, M.A., B.C.L., K.C.

This course comprises an outline of the history of the law in force in the Province of Quebec.

The main source from which our law is derived is the Customary Law of France, as modified by the principles of Roman Law, embodied in several of the codes or collections of Roman Law before the time of Justinian.. The Customs of France after being reduced to writing were further modified by the influence of modern Roman Law, which prevailed throughout the larger part of France. The ordinances of the French kings and the commentaries of the great jurists, from Cujas and Dumoulin down to Pothier, brought the Civil Law of France into the systematic form in which it was introduced into this Province. The Custom of Paris, one of the most important of those

recognized in France, became formally the basis of the Civil Law in this country, and the ordinance of 1667 was the main authority for procedure.

Since the opening of the British régime the development of Lower Canadian Civil Law has proceeded independently of the Civil Law of France, where the Code Napoléon was passed early in the Century. In Lower Canada a code on the same lines was adopted shortly before Confederation. Lower Canadian Civil Law has been modified by English Law in commercial matters, and also by statutes passed in the Province. The Criminal Law has been derived almost exclusively from the Criminal Law of England.

The leading authorities upon the main branches of the law, with the reports of decisions of our courts, are brought under the attention of the students in this course.

Agency and Partnership.

PROFESSOR:—A. McGOUN, M.A., B.C.L., K.C.

This course begins with the principles of the law of Mandate, as laid down in the Civil Code of Lower Canada, and treats of Civil and Commercial Agency. The rights and liabilities of principal and agent both between themselves and in relation to third parties is considered, and special attention is directed to the powers of agents in selling, pledging, and dealing with the property of the principal. The law relating to factors or commission merchants, brokers, and other agents is explained.

In partnership the right of each partner to bind his fellow partner in virtue of the mandate reciprocally given and enjoyed, leads to the distinction between civil and commercial partnership, and the limited partnership, or société en commandite, is also treated of. The distinction between partnership and joint stock companies leads to a consideration of the connexion between this subject and the subject of Companies and Corporations which form the subject matter of a course in alternate years on the Law of Corporations and of Joint Stock Companies, as follows:

Law of Corporations and of Joint Stock Companies.

This course is the sequel of the course on Agency and Partnership. The doctrine of limited liability, and the opportunity which it affords of carrying out enterprises of great importance, by means of capital contributed by a large number of individuals, is treated of in this course. The growth of corporations, both those established by long custom, and those created by Royal Charter, or by parliamentary or legislative authority, is also explained, as well as the relation between these corporations and the ordinary forms of joint stock companies. Corporations sole and corporations aggregate are defined, and the principles of laws relating to corporations and companies explained.

Criminal Law.

PROFESSOR:—HON. C. P. DAVIDSON, M.A., D.C.L.

This course includes:

A history of the Criminal Law and Criminal Procedure of England, and of their introduction into and development throughout Canada; discussion of the Criminal Code and other statutes enacting criminal offences; of the rules of evidence in criminal cases; of the Fugitive Offenders' Act; of extradition; and, generally, of the principal features belonging to the Criminal Law of the Dominion.

Commercial Law, I.

PROFESSOR:—R. C. SMITH, B.C.L., K.C.

The subjects dealt with will include commercial sales and the law of insurance.

The course on Insurance will cover:

(*a*) Insurance, contracts of; (*b*) marine insurance; (*c*) fire insurance; (*d*) life insurance.

COMMERCIAL LAW, II.

PROFESSOR:—HON. C. J. DOHERTY, D.C.L.

The subjects dealt with are: bills and notes, the law of carriers, and the law of banks and banking. They are treated in three courses, constituting:

1. A commentary on the Bills of Exchange Act.

2. A commentary on Section 3 of the Title of Lease and Hire, and on the second, third, fourth and sixth Titles of Book 4 of the Code, and on the Merchant Shipping Act.

3. A commentary on the Bank Act.

Civil Procedure.

LECTURER:—G. W. MACDOUGALL, B.A., B.C.L. K.C.

This course to the students of the first year is intended to form an introduction to the subject, to explain the simpler kinds of actions, the general rules of pleading, and the jurisdiction of the several courts.

The revised Code of Civil Procedure for the Province of Quebec is the text-book.

Persons.

LECTURER:—G. W. MACDOUGALL, B.A., B.C.L. K.C.

This course covers the Law of acts of civil status, absentees, marriage, separation, divorce, filiation, minority and interdiction.

Civil Procedure.

PROFESSOR:—HON. C. J. DOHERTY, D.C.L.

The advanced course for the second and third years covers all matters of procedure not dealt with in the first year course, and includes provisional remedies, such as capias, attachment before judgment, injunction, etc., and special proceedings, such as proceedings relating to corporations, and public offices, mandamus, etc., as well as the rules of pleading in the more complicated classes of action. It will be divided into two parts, which will be taken in alternate years.

Marriage Covenants and Minor Contracts, Prescription, Lease, and Municipal Law.

PROFESSOR:—A. GEOFFRION, B.C.L. K.C.

Two courses—in alternate years.

Successions, Gifts, and Substitutions.

PROFESSOR:—HON. C. J. DOHERTY, D.C.L.

Two courses—in alternate years.

I. The Law of Succession.

The course consists of a commentary and explanation of the whole of Title I, and the Third Chapter of Title II of the Third Book of the Civil Code. The order followed by the Code in dealing with the different matters coming within the scope of this course, has however been departed from, with a view of presenting to the student the law governing successions as one whole. The subject will be developed as nearly as possible in the following order:—

(1) General notions, definitions, and divisions of the subject; (2) the testamentary succession; (3) the ab-intestate succession; (4) rules of law common to both successions; (5) rules peculiar to the testamentary succession; (6) rules peculiar to the ab-intestate succession; (7) partition of the succession (and of property held in undivided ownership generally), its incidents and effects.

II. Gifts and Substitutions.

This course comprises a commentary on and explanation of Chapters I, II, and IV of Title II of the Third Book of the Civil Code, dealing with:

(1) Gifts inter vivos; (2) gifts in contemplation of death, as permitted in contracts of marriage; (3) substitutions.

Real Property Law and Registration.

PROFESSOR:—W. DE M. MARLER, B.A., D.C.L.

First Year Course—25 lectures.

Distinction of things — corporeal moveables and immoveables; immoveables by incorporation and destination; incorporeal property; real and personal rights.

Ownership—its characteristics and limitations; possession, good and bad faith: possessory actions; the petitory action; their results on the possessor; accession, natural and industrial.

Usufruct—general characteristics; fruits and their perception; quasi-usufruct; modes of enjoyment by usufructuary; his duties before and during usufruct; how terminated.

Registration—its modes and formalities; the cadastral system.

Second and Third Year Courses—50 Lectures in alternate Courses.

First Course:—Mode of acquisition of immoveables—25 lectures.

In this course, a deed of sale will be analyzed and its various clauses explained: the parties; the description and the measurement of land; the obligations of buyer and seller and the security for their performance; warranty, its modifications and results; the form and registration of the deed; the rights of the wife; the distinctions between sale and other modes of acquisition, and their effects on the parties.

Forced sales, their incidents and results.

Examination of titles, practically considered.

Second Course:—Privileges and hypothecs; servitudes—25 lectures.

Debts and causes of preference; characteristics of hypothecs—the various kinds, their history, conditions and effects; the ranking of hypothecs; the hypothecary action, its characteristics, incidents and results; privileges on immoveables; registration of privileges and hypothecs; servitudes—natural, legal and conventional; water courses and streams; walls and fences.

Public International Law.

PROFESSOR:—E. LAFLEUR, B.A., D.C.L., K.C.

Sovereignty and equality of independent states; recognition of belligerency and independence; justifiable grounds of intervention; modes of territorial acquisition; territorial boundaries; doctrine of exterritoriality; treaties and arbitrations; laws of war; neutrality of states and of individuals; laws of blockade; contraband; confiscation; prize-courts and their jurisprudence.

The students' attention will be specially directed to treaties, diplomatic relations, and international arbitrations, in which Canada is directly concerned.

Private International Law.

PROFESSOR:—E. LAFLEUR, B.A., D.C.L., K.C.

Distinction between the *a priori* and positive methods; sources of the positive law of Quebec on the subjects; application and illustrations of the rules for solving conflicts of law in regard to the different titles of the Civil Code; comparisons between our jurisprudence and that of England, France and Germany.

These two courses will be given in alternate years.

Pleading and Practice.

LECTURER:—E. FABRE SURVEYER, B.A. (LAVAL), B.C.L.

This course of lectures deals with the different species of actions, their institution, summonses, preliminary pleas, defences, answers and replications (C. P. 76 to 214); also provisional measures (C. P. 893 to 977).

It includes the schedules and rules of practice referring to the above mentioned articles of the Code, and forms of the most common kinds of pleadings.

REQUIREMENTS FOR THE DEGREE OF D. C. L.

(*Adopted March,* 1891.)

Every candidate for the degree of D.C.L., in Course, must be a Bachelor of Civil Law of twelve years' standing, and must pass such examination for the degree of D.C.L. as shall be prescribed by the Faculty of Law. He shall also, at least two months before proceeding to the degree, deliver to the Faculty twenty-five printed copies of a thesis or treatise of his own composition on some subject, selected or approved by the Faculty, such thesis to contain not less than fifty octavo pages of printed matter, and to possess such degree of merit as shall, in the opinion of the Faculty, justify them in recommending him for the degree.

The examination for the degree of D.C.L., in Course, shall, until changed, be on the following subjects and authors, with the requirement of special proficiency in some one of the groups below indicated. In the groups other than the one selected by the candidate for special proficiency, a thorough acquaintance with two works of each group shall be sufficient, including in all cases the work first mentioned in each group and the first two works in the third group. In the first group one work on Public and one on Private International Law must be offered.

1. International Law.

A. Public:—

Twiss, Sir T., Law of Nations.
Hall, W. E., International Law.
Harcourt, Sir W. V., Letters by *Historicus*.
Ortolan, T., Diplomatie de la Mer.
De Martens, Droit International.
Holland, Studies in International Law.

B. Private:—

Savigny, Private International Law (Ed. Guthrie).
Bar, Private International Law (Ed. Gillespie).
Foelix, Droit International Privé.
Laurent, Droit Civil International.
Brocher, Droit International Privé.
Fiore, Droit International Privé (Ed. Pradier-Fodéré).
Dicey, Conflict of Laws.
Story, Conflict of Laws.
Lafleur, E., Conflict of Laws.

2. Roman Law.

Maynz, Droit Romain.
Muirhead's Roman Law.
Girard, Manuel de Droit Romain.
Ortolan's Institutes (Ed. Labbé).
Savigny, Roman Law in the Middle Ages.
Cuq, Les Institutions Juridiques.
Puchta, Institutionen.
Krüger, Römische Rechtsquellen.
Roby's Introduction to the Digest.
Hunter's Roman Law.

3. Constitutional History and Law.

Dicey's Law of the Constitution.
Stubbs' Constitutional Law of England.
Hearn, Government of England.
Bagehot, English Constitution.
Franqueville, Gouvernement et Parlement Britanniques.
Gneist, Constitution of England.
Hallam, Constitutional History of England.

May, Constitutional History of England.
Gardiner, Constitutional History of England.
Freeman, Growth of the English Constitution.
Mill, Representative Government.
Anson, Law and Custom of the Constitution.

4. Constitution of Canada and Works Relevant Thereto.

Todd, Parliamentary Government in the British Colonies.
Bourinot Federal Government in Canada.
Cartwright, Cases under the British North America Act.
Lord Durham's Report on British North America.
Lareau, Histoire du Droit Canadien.
Houston's Constitutional Documents of Canada.
Volume O., Statutes of Lower Canada.
Maseres' Collection of Quebec Commissions.
Viollet, Histoire du Droit Français.
Dilke, Problems of Greater Britain.
Bryce, American Commonwealth.
Cooley, Principles of Constitutional Law.
Curtis, History of the Constitution of the United States.

5. Criminal Law, Jurisprudence, and Political Science.

Stephen, History of the Criminal Law.
Blackstone, Vol. IV.
Harris, Principles of Criminal Law.
Holland, Elements of Jurisprudence.
Salmond's Jurisprudence.
Austin, Lectures, omitting chapters on Utilitarianism.
Lorimer's Institutes.
Amos, Science of Law.
Woolsey, Political Ethics.
Lieber, Political Ethics.
Freeman, Comparative Politics.
Aristotle's Politics, by Jowett.

APPENDIX.

The attention of intending students is called to the following provisions of the Revised Statutes of Quebec and amendments, as bearing on the requirements for the study and practice of Law in the Province.

I. Regulations Applicable to those who Intend to Become Members of the Bar.

Article 3544 R.S.Q.—Examinations for admission to study and to practise law in the Province of Quebec are held at the time and place determined by the General Council.

The examinations for the practice are held alternately in Montreal and Quebec every six months, namely—at Montreal, on the second Tuesday of each January, and at Quebec on the first Tuesday of each July.

All information concerning all these examinations can be obtained from the General Secretary's Office. The present General Secretary is Arthur Globensky, Esq., K.C., 97 St. James St., Montreal.

Article 3546.—Candidates must give notice as prescribed by this article at least one month for the study and fifteen days for the practice before the time fixed for the examination to the Secretary of the Section in which he has his domicile or in which he has resided for the past six months.

Article 3503a (added by Statute of Quebec, 1890, 53 Victoria, Cap. 45).—This article provides that candidates holding the diploma of Bachelor of Arts, Bachelier-ès-Lettres, or Bachelier-ès-Sciences from a Canadian or other British University are dispensed from the examination for admission to study. Such candidates are required to give the notice mentioned above.

Article 3548 R.S.Q. (as altered by by-law of the General Council).—On giving the notice prescribed by Article 3546, the candidate pays the Secretary a fee of $2, and makes a deposit of $105 for a complete certificate of admission to study; of $70 for a partial certificate of admission to study; and of $180 for admission to practice, which deposit, less $10, is returned in case of his not being admitted.

Article 3552 (amended 1894, Q. 57 Vic., c. 35)—To be admitted to practice, the student must be a British subject, and must have studied regularly and without interruption during ordinary office hours, under indentures before a notary as clerk, or student with a practising advocate, during four years, *dating from the registration of the certificate of admission to study.* This term is reduced to three years in the case of a student who has followed a regular law course in a university or college in this Province and taken a degree in law therein.

The by-laws passed by the General Council of the Bar of the Province of Quebec, 16th Sept., 1886, and amended 10th Feb., 1892, provide as follows:—

Art. 42.—A course of lectures on law given and followed at a university or college in this Province, and a diploma or degree conferred on students by such university or college, shall be held to be such as contemplated in Art. 3552 R.S.Q. only when the university or college conferring the degree and the student who receives it shall have efficiently followed the programme herein set forth. This article and article 44 shall apply to students already admitted only as regards lectures to be given after the 1st of January, 1887.

2. The subjects on which lectures shall be given, and the number of lectures required on each subject for a regular course of lectures on law in a university or college shall be as follows:—

ROMAN LAW:—103 lectures: — This subject shall include an introduction to the study of Law and the explanation of and comments on the Institutes of Justinian and the principal jurisconsults of Rome.

CIVIL, COMMERCIAL, AND MARITIME LAW: — 413 lectures:—Lectures on these subjects shall cover at least three years. They consist of the history of French and Canadian law, the explanation of and comments on the Civil Code of the Province of Quebec and the statutes relating to Commerce and Merchant Shipping.

CIVIL PROCEDURE:—103 lectures: — Lectures on this subject shall extend over at least two years. It shall consist of the explanation of and comments on the Code of Civil Procedure and the statutes amending it, the organization of the Civil Courts of this Province and the history of the different judicial systems of the country; also, the special modes of procedure provided by statutes and laws of general application.

INTERNATIONAL LAW, Private and Public:—21 lectures.

CRIMINAL LAW:—69 lectures:—This subject includes the history of criminal law in Canada, the constitution of crim-

inal courts, criminal procedure, comments on statutes relating to criminal law, the relation of criminal law in Canada to the criminal law of England. The lectures shall extend over two years.

ADMINISTRATIVE AND CONSTITUTIONAL LAW:—41 lectures. —These subjects include an inquiry into the different political institutions and the public institutions of the country, the powers, organization and procedure of the Federal Parliament and of the Local Legislature, the laws on Education and the Municipal Code.

Art. 43.—Candidates for practice who hold a degree in law from a university or college in this Province shall produce with their notices a certificate from the principal or rector of such university or college to the effect that they followed a course of lectures on law in the same, during at least three years, in conformity with the by-laws of the Bar; and such certificate shall further specify the number of public lectures at which they shall have attended on each subject mentioned in the foregoing programme, during each of the said three years. The last part of this certificate shall only be required for courses of lectures given after the 1st January, 1897.

Art. 44.—The examiners shall not consider a university degree in law valid for the purposes of admission to the Bar if they find that the candidate has not in fact followed the programme above.

II. Regulations Applicable to those who Intend to Become Notaries.

For the regulations applicable to the candidates for the Notarial Profession see Revised Statutes of Quebec, Arts. 3801-3833, and 53 Vict., c. 45 (Queb.).

INFORMATION FOR STUDENTS IN MEDICINE.*

THE SEVENTY-SIXTH SESSION OF THE FACULTY OF MEDICINE WILL OPEN ON WEDNESDAY, SEPTEMBER 18TH, 1907. THE INTRODUCTORY LECTURE WILL BE GIVEN ON THE 17TH. STUDENTS MAY REGISTER ON AND AFTER SEPTEMBER 9TH.

Particulars regarding the following matters will be found on the pages named:—

	PAGE.
Athletics	67
Board and Lodging	10
Double Courses (seven years for degrees of B.A. or B.Sc. and M.D.)	89
Fees	55
Length of Course	5
Matriculation	19
Medals and Prizes	47
Morals and Discipline	65

For Time Tables of Lectures, see first part of Calendar.

FOUNDATION AND EARLY HISTORY.

The Faculty of Medicine of McGill University is the direct outcome of the Montreal Medical Institution which was opened in November, 1824.

In the year 1829 the Montreal Medical Institution became, by a formal act of the Governors of the Royal Institution for the Advancement of Learning, the Medical Faculty of McGill University.

In 1872, the Faculty moved to the building which now forms the front block of the present Medical Buildings on the University Grounds.

* Complete information on all points is given in the Special Calendar issued by the Faculty, which can be obtained on application to the Registrar.

This building was enlarged in 1885 to meet the demands for increased accommodation. It soon became evident that still further accommodation would be necessary in order to carry on the work efficiently, and through the generosity of the late Mr. John H. R. Molson extensive alterations were made in the old building and new wings built between 1893 and 1895. These buildings were officially opened by His Excellency, the Earl of Aberdeen, on January 8th, 1895. In less than five years further enlargement was found to be necessary. This was rendered possible through the generosity of Lord Strathcona who, in 1898, contributed, in the names of Lady Strathcona and the Hon. Mrs. Howard, $100,000 towards the necessary extensions and alterations. The new buildings were formally opened by H. R. H. the Prince of Wales on September 19th, 1901.

MATRICULATION.

The University Matriculation requirements are stated on pages 19 and 21 to 27.

Intending students are reminded that a degree in Medicine does not always give a right to practise.

Each province in Canada has special regulations in this connection. In most of them a standard of general education is insisted on as a preliminary. It is, therefore, necessary for a person to register with the Medical Council of the province in which he intends to practise, before entering on the study of Medicine proper. A certificate of such registration will exempt the holder from any further examination for entrance to this University.

The Registrars of the Medical Councils in the several provinces, from whom full particulars regarding admission to study can be obtained, are as follows:—

QUEBEC.—Dr. J. A. Macdonald, 250 Mountain St., Montreal, and Dr. C. R. Paquin, Quebec, P.Q.

ONTARIO.—Hon. R. A. Pyne, M.D., Department of Education, Toronto.

NEW BRUNSWICK.—Dr. Stewart Skinner, St. John.

NOVA SCOTIA.— Dr. A. W. H. Lindsay, 241 Pleasant Street, Halifax.

PRINCE EDWARD ISLAND.—Dr. S. R. Jenkins, Charlottetown.

MANITOBA.—Dr. J. S. Gray, Winnipeg.

ALBERTA AND SASKATCHEWAN.—Dr. J. D. Lafferty, Calgary, Alta.

BRITISH COLUMBIA.—Dr. C. J. Fagan, Victoria.

FELLOWSHIPS.

Teaching and Research Fellowships are being established in connection with the various laboratories.

These fellowships are of the value of five hundred dollars per annum, are open only to graduates in Medicine, and are tenable for three years.

Two are now established in connection with the department of Pathology—a Governor's Fellowship, endowed by one or two of the Governors of the University, and a Faculty Fellowship, established by the Faculty.

REGULATIONS FOR THE DEGREE OF M.D., C.M.*

As the course for the Degree is being revised, some changes may be made in these regulations. Such changes will be stated in the Medical Calendar.

1. No one will be admitted to the degree of Doctor of Medicine and Master of Surgery who shall not have attended lectures for a period of five nine months' sessions in this University, or some other university, college or school of medicine, approved of by this University.

2. Students of other universities, so approved, who may be admitted on production of certificates to a like standing in this University shall be required to pass all examinations in Primary and Final Subjects in the same manner as students of this University.

3. Graduates in Arts who have taken two full courses in General Chemistry, including laboratory work, two courses in Biology, including the subjects of Botany, Embryology, Elementary Physiology and dissection of one or

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* *It should be understood that the programme and regulations regarding courses of study and examinations contained in this calendar hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole four years of a student's course, to the conditions here laid down,*

more types of Vertebrata, may, at the discretion of the Faculty, be admitted as second year students, such courses being accepted as equivalent to the first year in Medicine. Students so entering will, however, not be allowed to present themselves for examination in Anatomy until they produce certificates of dissection for two sessions.

4. Candidates for the final examination shall furnish testimonials of attendance on the following branches of medical education; provided, however, that testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted:—

Anatomy. Practical Anatomy. Physiology. Practical Physiology. Chemistry. Pharmacology and Therapeutics. Principles and Practice of Surgery. Obstetrics and Diseases of infants. Gynæcology. Theory and Practice of Medicine. Clinical Medicine. Clinical Surgery.	Of which two full courses will be required.
Biology. Medical Jurisprudence. General Pathology. Histology. Hygiene and Public Health. Practical Chemistry. Ophthalmology and Otology.	Of which one full course will be required.
Medical Physics. Applied Medical Chemistry. Pathological Anatomy. Bacteriology. Mental Diseases. Pediatrics. Medical and Surgical Anatomy.	Of which one course will be required.

He must also produce certificates of having assisted at six autopsies, of having dispensed medicine for a period of three months, of having assisted at twenty vaccinations, and

of having, under the direction of a properly qualified anæsthetist, administered an anæsthetic at least twice.

Courses of less length than the above will only be received for the time over which they have extended.

5. No one will be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.

6. The candidates must give proof of having attended during at least twenty-four months the practice of the Montreal General Hospital or the Royal Victoria Hospital or of some other hospital of not fewer than 100 beds, approved by this University. Undergraduates are required to attend only the practice of the Out-Patient departments of the Hospital during their third year.

7. He must give proof of having acted as clinical clerk for six months in Medicine and six months in Surgery in the wards of a general hospital recognized by the Faculty, and of having reported at least 10 medical and 10 surgical cases.

8. He must also give proof by ticket of having attended for at least nine months the practice of the Montreal Maternity or other lying-in-hospital approved of by the University, and of having acted as assistant for at least six cases.

9. Every candidate for the degree must, on or before the 15th day of May, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty an affirmation or affidavit that he has attained the age of twenty-one years.

10. The trials to be undergone by the candidate shall be in the subjects mentioned in Section 4.

11. The following oath or affirmation will be exacted from the candidate before receiving his degree.

Sponsio Academica.

In Facultate Medicinæ Universitatis.

Ego, A——— B———, Doctoratus in Arte Medica titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo:—me in omnibus grati animi officiis erga hanc Universitatem ad extremum vitæ halitum perserveraturum; tum porro artem medicam caute, caste, et probe exercitaturum; et quoad in me est, omnia ad ægrotorum

corporum salutem conducentia cum fide procuraturum; quæ denique inter medendum visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita praesens mihi spondenti adsit Numen.

EXAMINATIONS.

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

The **Pass** and **Honour** examinations at the close of each session are arranged as follows :—

First Year.

Examinations in **Biology, Histology, Anatomy, Medical Physics, Inorganic Chemistry, Practical Chemistry and Elementary Bacteriology.**

Students who have taken one or more University courses in Biology or Chemistry before entering may be exempted from attendance and examination. Students exempted in these first year subjects are allowed only a pass standing, but may present themselves for examination if they desire to attain an honour standing. Students exempted from first year Chemistry must take second year Chemistry, in their first year.

Second Year.

Examinations in **Anatomy, Organic Chemistry, Bio-Chemistry, Physiology., Practical Physiology, Pharmacy** and **Histology.**

Third Year.

Examinations in **Physiology, Pharmacology, Bacteriology, General Pathology, Clinical Microscopy.**

Fourth Year.

Examinations in **Medicine, Surgery, Obstetrics, Gynaecology, Hygiene, Mental Diseases, Medical Jurisprudence, Pharmacology and Therapeutics.**

Fifth Year.

The course in this year is now being arranged. Details will be given in the Medical Calendar.

A minimum of 50 per cent. in each subject is required to pass and 75 per cent. for honours.

Candidates who fail at the regular examinations in not more than two subjects of the first, second or third

years, may take the supplemental examinations before the beginning of the following session. These examinations will be held during the week preceding the regular opening of the session.

Failure in more than two subjects at the regular examinations excludes the candidate from advancement and necessitates his repeating the work in the subjects in which he has failed.

No student may proceed to the work of the final year who has not passed the examinations in all subjects included in the curriculum of the first, second and third years.

Candidates who fail to pass in a subject in which practical work is required may, at the discretion of the examiner, be required to repeat the course and furnish a certificate of attendance thereon.

Students who fail in one subject only of the final year may, at the discretion of the Faculty, be allowed a supplemental examination in that subject. Should the subject be one in which practical or clinical work is required, the student must furnish a certificate of additional hospital attendance or laboratory work before presenting himself for examination.

Students who fail at the examinations held at Christmas or Easter may, at the discretion of the examiners, be granted supplemental examinations at a period not less than three months after the regular examination.

Supplemental examinations will not be granted except by special permission of the Faculty and on written application, stating reasons.

Applications for supplemental examinations must be in the hands of the Registrar at least three days before the date set for the beginning of the examination and they must be accompanied by a fee of $5.00 for each subject.

COURSES OF LECTURES.

In consequence of the extension of the course for the Degree of M.D., C.M. to five years, slight changes will be made in the nature of the instruction to be given in several of the subjects. These have not yet been decided on in detail, but full particulars will appear in the special calendar to be issued by

the Faculty about July 1st. This may be obtained on application to the **Registrar.**

POST-GRADUATE AND ADVANCED COURSES.

The Faculty of Medicine in 1896 established post-graduate and special courses in connection with the Montreal General and Royal Victoria Hospitals and the various laboratories in the University buildings.

Commodious laboratories for advanced work have been equipped in connection with the Pathological and Clinical departments of both the Royal Victoria and Montreal General Hospitals, and in connection with the general laboratories for Pathology, Pharmacology, Physiology and Chemistry, recently altered and extended, in the new buildings of the Faculty.

Recent graduates of recognized universities desiring to qualify for examinations by advanced laboratory courses, or who wish to engage in special research, may enter at any time by giving notice, stating the courses desired and the time at their disposal.

All the regular clinics and demonstrations of both hospitals will be open to such students on the same conditions as to undergraduates in medicine of this University.

The Post-Graduate Course of 1907.

The eleventh regular course of instruction for post-graduate students in the Faculty of Medicine will be given during the month of June, 1907, commencing on Monday, June 3rd, and ending on Friday, June 28th.

A circular containing full information regarding courses, fees, etc., has been prepared and can be obtained on application to Dr. J. W. Scane, Registrar Faculty of Medicine.

DIPLOMA COURSE IN PUBLIC HEALTH.

The Faculty in the session 1899-1900 instituted a post-graduate course in Public Health and Sanitary Science. This course will be given each year and the diplomas will be awarded at the annual convocation.

Candidates undertaking this course must have possessed a degree in Medicine, or other qualification of practice, for at

least twelve months before he is competent to receive the diploma. The courses prescribed are as follows:—

1. A course of lectures in Public Health (to be omitted in the case of candidates who have attended such a course before graduation).

2. A three months' course in Bacteriology, special attention being directed to the pathogenic organisms and parasites—such course to be omitted on presentation of proof that it has previously been taken.

3. A six months' course of practical study of out-door sanitary work under a medical officer of health (to be omitted in the case of medical health officers holding appointments prior to the establishment of this diploma course).

4. Three months' attendance and clinical instruction at a hospital for infectious diseases (unless such course has already been taken prior to graduation).

5. Three months' instruction in sanitary Chemistry and Physics, with practical work in a chemical laboratory.

The examination for the Diploma shall cover the following subjects:—examination of clinical cases at an infectious hospital; the drawing up of outlines for annual and other reports of officers of health; a report upon the sanitary condition of some actual locality; the chemical analysis of liquids and gases and of specimens of food; demonstration of the consideration and use of meteorological, hygienic and sanitary apparatus; microscopical examination of specimens submitted; description of specimens of human and other diseased tissues; practical examination in the employment of the usual bacteriological methods; the inspection of carcasses of animals to be used for food.

The above examination shall be written, oral and practical, and shall extend over a period of four days.

The following is a list of subjects included in the curriculum of study:—

(*a*) *Sanitary Chemistry*:—Examination of air, gases, water, the action of water on metals; milk, food and beverages; detection of poisons in articles of dress and of decoration; the chemistry of sewage.

(*b*) *Sanitary Physics*:—Principles of statics, pneumatics, hydraulics, light, light and photometry, heat and thermometry,

the principles of hygrometry, (only in their application to hygiene).

(*c*) *Sanitary Legislation*:—Statutes and by-laws relating to public health; the powers of public sanitary authorities.

(*d*) *Bacteriology and Parasitology*:—Modes of propagation of disease and transmission of disease between man and man, and man and animals; bacteriological analysis in relation to public health matters; natural history of microbes and animal parasites.

(*e*) *Vital Statistics*:—Calculation and tabulation of returns of births, marriages, deaths and diseases.

(*f*) *Meteorology and Climatology*:—Including the geographical and topographical distribution of disease.

(*g*) *Preventive Medicine and Practical Sanitation.*

The fee for the Diploma, including laboratory fee, shall be $50.00.

CLINICAL INSTRUCTION.

Few Medical Schools are able to offer such excellent facilities for clinical instruction as the Medical Faculty of McGill University. This is so, because of the extensive field afforded for such instruction in the Montreal General and the Royal Victoria Hospitals, both of which have at least a continental reputation.

Clinics are held regularly in all subjects in both hospitals, and tutorial instruction is given in the wards, out-patient rooms and laboratories. Besides this, every facility is afforded in the Montreal Maternity Hospital for acquiring a practical knowledge of the various obstetric manipulations and the management and after treatment of cases. Full particulars regarding the character of this part of the work, with detailed descriptions of the Hospitals, are given in the Medical Calendar, which will be sent on application.

McGILL MEDICAL SOCIETY.

This Society, composed of registered students of the Faculty, meets every alternate Friday during the Autumn and Winter Terms, for the reading of papers, case reports and discussions on medical subjects. A prize competition has been

established in Senior and Junior subjects, the Senior being open to all to write upon, while only the 1st, 2nd and 3rd year students are allowed to compete in the Junior subjects. The papers are examined by a board elected from the Professoriate, and a first and second prize in each division of subjects is awarded to the successful candidates.

Names of competitors and titles of papers must be sent to the Chairman of the Programme Committee before September 1st, and all papers are subject to the call of the Committee on October 1st. All papers must be handed in for examination on or before January 10th.

This Society has control of the students' reading room, in which the leading English and American Medical Journals are on file, as well as the leading daily and weekly newspapers of the Dominion.

The annual meeting is held during the first week of the Spring Term, when the following officers are elected: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, Pathologist, and three Councilmen (of whom two shall be elected from the Faculty).

INFORMATION FOR STUDENTS IN DENTISTRY.

The course in Dentistry extends over four sessions of nine months each and leads to the degrees of M.D.S. and D.D.S. The lectures of the first two years will be given, and the laboratory and other practical work done, at the medical College. The work during the last two years and part of the second year has special reference to Dentistry proper, and will be carried on chiefly at the Dental College.

MATRICULATION.

Students in Dentistry must pass the matriculation examination required of students in Medicine, for particulars of which see pages 19 and 21 to 27. Those who intend to practise in the Province of Quebec must pass the matriculation examination of the Dental Association, if they do not hold a degree in Arts or Medicine from a recognized British or Canadian University. A certificate of having passed this examination will be accepted as a full equivalent for the matriculation examination of this University.

The fee for the Dental Association examination is $20.00 and is payable to the Secretary, Dr. Eudore Dubeau, 396 St. Denis Street, Montreal, from whom all further information can be obtained.

FEES.

The fees are the same as for students in Medicine. (See page 55).

ADMISSION TO PRACTICE.

In accordance with the provisions of the Dental Act, candidates intending to practise in the Province of Quebec must sign indentures, before a Notary Public, with a licentiate of Dental Surgery in active practice in the Province, four years before being admitted to the profession. He should, therefore, register with the Dental Board at the beginning of his College course.

The requirements for admission to study and practice in the other provinces of the Dominion (British Columbia excepted) will be learned by corresponding with the secretary of the Dominion Dental Association.

REQUIREMENTS FOR THE DEGREE.

The degree of Master of Dental Surgery (M.D.S.) will be conferred only on candidates who (1) have attained the full age of twenty-one years, (2) are of good moral character, (3) have attended for four regular sessions, (4) have paid all the required fees, and (5) have passed the prescribed examinations.

COURSE OF STUDY.

First Year:—Anatomy, Practical Anatomy, Physics, Inorganic Chemistry, Practical Chemistry, Histology, Biology and Embryology, Bacteriology.

Second Year:—Anatomy, Practical Anatomy, Physiology, Practical Physiology, Organic Chemistry, Bio-Chemistry, Histology, Pharmacy.

Third and Fourth Years:—Operative and Mechanical Dentistry, Crown and Bridge-Work, Practical work in Infirmary, Dental Pathology, Materia Medica, Orthodontia, Anæsthetics, Dental Surgery.

UNIVERSITY BUILDINGS.

THE CENTRE BUILDING.

This building, the first and oldest building of McGill College, contains the lecture-rooms of the Faculty of Arts and the botanical laboratories in the centre. The East Wing contains the newly equipped zoological laboratories, the offices of the Administration, and the lecture rooms of the Faculty of Law. The West wing (the old Molson Convocation and Examination Hall) has been converted into lecture-rooms for the first year English and Mathematical classes in the Faculty of Applied Science, the accommodation in the Engineering Building having proved inadequate for the large numbers of students in that Faculty.

The botanical laboratories are described in detail on page 243, the zoological Laboratories on page 257.

THE MACDONALD ENGINEERING BUILDING.

The Engineering Building, erected, equipped and endowed by Sir William C. Macdonald, represents, in architectural effect, a severe treatment of the Italian renaissance. Besides numerous lecture-rooms, students' rooms, a departmental library, and a large technical museum, the building contains large and thoroughly equipped electrical and magnetic laboratories; dynamo rooms; lighting station; accumulator room; laboratories of Mathematics, Dynamics, Mechanics, Geodesy, Modelling, Testing, and Thermodynamics; workshops (in the annex erected under the bequest of the late Thomas Workman) for carpentry, wood-turning, and pattern-making; Machine shops; Smithy; Foundry, etc.

A detailed description of the laboratories and workshops and their equipment will be found on pages 243 *et seqq.* ....

MACDONALD CHEMISTRY AND MINING BUILDING.

Admirable facilities are afforded in the Macdonald Chemistry and Mining Building for study and research in the departments of Chemistry, Metallurgy, Mining, Mineralogy and Geology. The building was erected, equipped and endowed by Sir William C. Macdonald. It is spacious, admirably lighted, heated by hot water and ventilated by electric fans. In addition to the large Lecture Theatre, which seats about 250 students, there are four lecture rooms for smaller classes, and a number of offices.

There are three large general Chemical laboratories, large laboratories for Ore-dressing and Metallurgy and a number of smaller rooms

for special purposes, including research work. Among the special laboratories may be mentioned those for Organic Chemistry, Physical Chemistry, Electrolytic Analysis, Gas Analysis, Iron and Steel Analysis, Fire Assaying, Water Analysis, Determinative Mineralogy, Petrography, Photography, etc. The reference library contains about 1,300 volumes.

A detailed description of the laboratories and their equipment is given on page 245.

THE MACDONALD PHYSICS BUILDING.

The Macdonald Physics Building, another of Sir William C. Macdonald's gifts to the University, contains five storeys, each of 8,000 square feet area. Besides a lecture theatre and its apparatus rooms, the building includes an elementary laboratory nearly 60 feet square; large special laboratories arranged for higher work by advanced students in heat and electricity; a range of rooms for optical work and photography; separate rooms for private thesis work by students; and two large laboratories arranged for research, provided with solid piers and the usual standard instruments. There are also a lecture room, with apparatus room attached, for Mathematical Physics, a special physical library, and convenient workshops. The equipment is on a corresponding scale, and comprises: (1) apparatus for illustrating lectures; (2) simple forms of the principal instruments for use by the students in practical work; (3) the most recent types of all important instruments for exact measurement, to be used in connection with special work and research.

A detailed description of the laboratories and their equipment is given on page 253.

THE ROYAL VICTORIA COLLEGE FOR WOMEN.

This residential college for the women students of McGill University, erected and endowed by Lord Strathcona and Mount Royal, is situated on Sherbrooke Street, in close proximity to the University buildings and laboratories. The professors and lecturers of the University are thereby enabled to give their services in the conduct of the College classes.

Full particulars regarding the College, terms of residence, etc., are given on pages 265 to 269.

THE UNIVERSITY LIBRARY.

Librarian:—Charles H. Gould, B.A.

The general library is housed in the fine Romanesque building erected in 1893 by the late Mr. Peter Redpath.

Dignified and convenient as originally designed, it was improved and greatly enlarged in 1900, by the late Mrs. Peter Redpath. It now possesses ample accommodation for three hundred and fifty readers, of whom fully one hundred can be provided for in the seminary rooms and special studies.

The main architectural feature of the interior is the general reading room, 110 feet long, 44 feet wide, 34 feet high. It will seat one hundred and fifty readers and has open shelves for about 4,000 volumes.

The book stack, four and five storeys high, of approved type, excellently lighted and ventilated, with four reading bays on each storey, has a working capacity of 250,000 volumes, besides special provision for the storage of maps and of newspapers.

A description of the collections and other particulars are given on page 72.

THE PETER REDPATH MUSEUM.

Senior Curator:—Prof. B. J. Harrington, M.A., LL.D.

This building was erected in 1882 by the liberal benefactor whose name it bears. It occupies a commanding position at the upper end of the campus, and besides its central hall and other rooms devoted to the collections, contains a large lecture-theatre, class-rooms, and work-rooms.

The general arrangement of the collections is as follows:

1. The Botanical Room on the ground floor contains the Herbarium, consisting of 50,000 specimens of Canadian and exotic plants and collections illustrating structural and economic botany.

2. On the first floor is a room over the entrance hall, in which are cases containing archæological and ethnological objects, including collections from the Queen Charlotte Islands, from Egypt, and from South Equatorial West Africa.

3. This room opens into the great Museum Hall, on each side of which are alcoves with upright and table cases containing the collections in Palæontology, arranged primarily to illustrate the successive geological systems, and subordinately to this, in the order of zoological and botanical classification, so as to enable the student to see the general order of life in successive periods, and to trace any particular group through its geological history.

4. At the extreme end of the Hall are placed the collections of minerals and rocks, arranged in such manner as to facilitate their systematic study. In the centre of the Hall are economic collections and large casts and models.

5. In the upper storey or gallery of the great Hall are placed the zoological collections; the invertebrate animals in table cases in regular series, beginning with the lower forms; the vertebrate animals in upright cases, in similar order. The Philip Carpenter Collection of shells is especially noteworthy for its arrangement and completeness.

Papers or memoirs relating to certain type specimens in the collections can be obtained from the Assistant Curator. Classes of pupils from schools can be admitted on certain days, under regulations which may be learned from the Professors or from the Registrar of the University.

THE OBSERVATORY.

Latitude, N. 45° 30′ 17″. Longitude, 4h. 54m. 18s. 67.

Height above sea level, 187 feet.

Superintendent:—C. H. McLeod, Ma.E.

The Observatory, in which courses of instruction are given in the use of meteorological instruments and in astronomical work, is situated at the head of the University campus.

Meteorological observations.—Records of temperature, atmospheric pressure, wind velocity and direction, and sunshine are obtained by self-recording instruments. Check observations are made at 7.40 a.m., 3 p.m., and 7.40 p.m. on standard instruments.

Soil temperatures are observed, in co-operation with the Physical Laboratory, by means of platinum thermometers at depths ranging from one inch to nine feet.

The astronomical equipment consists of: The Blackman Telescope (6¼ in.); a photoheliograph (4½ in.); a 3¼ in. transit with collimating telescopes; a prismatic (8 cm.) transit instrument, also arranged as a zenith telescope; a 2 in. transit in the prime vertical; two sidereal clocks; one mean time clock; several sidereal and mean time chronometers; one chronograph; batteries, telegraph lines, and sundry minor instruments.

Observations for clock errors are made on nearly every clear night. Time exchanges are regularly made with the Toronto observatory. Time signals are distributed throughout the city by means of the noon time-ball, continuous clock signals, and the fire-alarm bells; and to the country through the telegraph lines.

The longitude of the Observatory was determined in 1892 by direct telegraph connection with Greenwich, with exchange of observers and instruments. The position is believed to be the most accurately determined in America.

In addition to the usual standard meteorological instruments the Observatory is equipped with a Richard barograph, a Richard thermograph and a Calendar thermograph, the latter being employed for differential temperatures between the summit of Mount Royal and the Observatory. The anemometer and vane giving records of electrical connection with the Observatory are situated on the summit of Mount Royal at a point about ¾ of a mile northwest of the Observatory. They are 57 feet above the surface of the ground and 810 feet above sea-level. The rainfall of the station is also measured by a self-recording electrical instrument.

THE McGILL UNION.

The McGill Union stands on a convenient site at the Corner of Sherbrooke and Victoria Streets, within two minutes' walk of the College Gates. The building measures 93 feet by 71 feet, and consists of three storeys and a basement. It has been erected and furnished by Sir William Macdonald at a cost of over $135,000. The building externally is an example of a severe type of English classic, executed in the local grey stone.

The main floor, entered from Sherbrooke Street, is devoted to dining and luncheon rooms. The dining table (table d'hôte and à la carte) will accommodate 120 at a time, and the luncheon room 80. It is, therefore, possible to lunch at least 500 students between the hours of 12 noon and 2 p.m.

On the second floor, billiard rooms, a news hall, a reading-room and library, a study and a lounging gallery (88 feet by 21 feet) are provided.

The Great Hall, suitable for debates, public meetings, &c., is situated in the top storey. The hall measures 88 feet by 45 feet, and has a total seating capacity of 400. Adjoining the Hall is the Music Room, and at the top of the building four bedrooms will be found set aside for graduate members re-visiting the City.

The basement is divided between the kitchen and offices, the caretaker's quarters, baths, locker rooms, laboratories and an exercise room 24 feet by 38 feet for boxing and fencing.

Membership in the Union is open to all students of the University, without restriction, on payment of the annual fee of $5.00. This fee is to be paid to the Secretary-Treasurer of the Union. The Constitution containing all necessary information has been published and is now ready for circulation.

STRATHCONA HALL.

This building—the home of the Young Men's Christian Association of McGill University—is the property of the Association, and is not, therefore, strictly speaking, a University building.

Strathcona Hall is 55 feet wide by 110 feet deep, and is five storeys in height. The three upper storeys are arranged to afford residential accommodation for about 60 men. The rooms on these floors are of various sizes. They are, for the most part, single, but some of them are arranged en suite. Each floor is amply provided with baths, etc., of the most modern type.

The second floor contains a large reading-room, a large game room, and five small rooms to be arranged as studies or for the use of various clubs and societies. The apartments of the Secretary of the Association are also on this floor.

The Secretary's Office is on the ground floor, which also contains sitting rooms, cloak rooms and a hall, capable of seating 350 persons.

The basement, which is high and well lighted, has a bowling alley, as well as a suite of large rooms which may be used for dining purposes.

The building is throughout of the most modern type of construction, and is absolutely fire-proof.

LABORATORIES, MUSEUMS AND WORKSHOPS.

1. LABORATORIES.

ASSAYING LABORATORY.

See Mining and Metallurgical Laboratories.

ASTRONOMICAL OBSERVATORY.

See Geodetic Laboratory.

BOTANICAL LABORATORIES.

The Botanical Laboratories occupy the upper floor of the central Arts building.

The laboratory for general Morphology provides table accommodation for twenty students, and is equipped with all the necessary appliances for the practical study of plants, either fresh or dry.

In connection with this laboratory, a large collection of dried plants is maintained, from which material is drawn for practical work.

The laboratories for special Morphology at present afford accommodation for twelve students. Each table is provided with a complete outfit of instruments and reagents. Provision is also made for accurate micrometric work, and for the production of accurate drawings by means of the camera lucida and Leitz's drawing instrument. More special instruments, including polariscope, spectroscope and photographing apparatus, afford opportunity for detailed studies in these several directions. A supply of physiological apparatus permits the demonstration through actual experimentation, of some of the more prominent plant activities as expressed in movement, transpiration, respiration, geotropism, movement of the nutrient fluids, rate of growth etc.

An investigator's table held by the University at the Biological Laboratory, Wood's Hall, Massachusetts, is available for such students as may successfully complete the advanced course of the Third and Fourth Years.

CEMENT LABORATORY.

The equipment of the laboratory renders it possible to carry out complete tests on the strength and properties of cements, mortars, concretes, concrete beams, etc., and includes:—

(*a*) Three one-ton tensile testing machines, representing the best English and American practice.

(*b*) One 50-ton hydraulic compressive testing machine.

(*c*) Volumenometers for determining specific gravity and for determining the carbonic acid in the raw material.

(*d*) Faija steaming apparatus for blowing tests.

(*e*) Mechanical hand and power mixers.

(*f*) Apparatus for determining standard consistency.

(*g*) Vicat's and Gilmore's needles for determining set.

(*h*) Weighing hopper, spring and other balances.

(*i*) Gun metal moulds for tension, compression and transverse test pieces, and special apparatus for placing mortar into the moulds under a uniform pressure, which, together with the mechanical mixers, enable the personal errors to be eliminated.

(*j*) Sieves of 20, 30, 40, 50, 60, 70, 80, 100, 120 and 180 meshes per lineal inch for determining the fineness.

(*k*) A Boehme hammer, with all accessories.

The laboratory is also fitted with copper-lined cisterns, in which the briquettes may be submerged for any required time, and with capacious slated operating tables, bins and tin boxes for keeping the cement dry for any period.

In the Cement Testing Laboratory, researches have been made on the strength of mortars set under pressure, the effect of frost on natural and Portland cements, the effect of sugar on lime and cement mortars, the strength of lime and cement mortars and of the bricks in brick piers, the effect of fine grinding on the adhesive strength of cements, of using hot water in mixing mortars.

In addition to these researches, a large amount of work is done each year by the third year students, in investigating the specific gravity, fineness, setting properties, constancy of volume, and the tensile, compressive and transverse strengths of cement, both neat and with sand.

CHEMICAL LABORATORIES.

(*In the Chemistry and Mining Building.*)

Besides the main lecture-theatre there are three smaller class-rooms, accommodating from 40 to 60 students each.

The three principal laboratories have each a floor-space of about 2,400 square feet, and together have accommodation for nearly two hundred students working at a time. They are lighted on three sides, and have ample hood space. One is intended for beginners, and the other for more advanced work, more particularly in qualitative and quantitative analysis. In connection with each of the main laboratories is a balance-room, equipped with balances by several of the best makers.

Physical Chemistry is provided for in a special laboratory, nearly 30 by 40 feet, lighted from the north, and supplied with electricity, steam, vacuum pumps, etc. The equipment of this department consists of the apparatus necessary for the determination of the specific gravities of solutions, of the depression of freezing point, of the rise of boiling point, and of the densities of gases and vapours. There are constant-temperature baths for accurate measurement of solubilities, Kohlrausch's apparatus for determining the electrical conductivity of solutions, and the apparatus necessary for measuring the electromotive forces generated between metals and their solutions, and in voltaic cells generally. There are also calorimeters for measuring the heat effects produced in chemical reactions. On the same floor there is an optical room devoted more particularly to crystallographic work and furnished with goniometers, polarising microscopes, axial-angle apparatus, refractometers, etc. Other forms of apparatus will be added as required for research work.

Immediately adjoining the laboratory of physical chemistry is the photographic department, supplied with two dark rooms, arranged on the maze system, and provided with the necessary appliances for all ordinary photographic work, including an enlarging camera and apparatus for micro-photography.

The laboratory for gas analysis has a northern exposure, and is fitted with a large tank to contain water at the temperature of the room, for use in obtaining a constant temperature in the measurement of gases. The tables are arranged for work with mercury, and the laboratory is supplied with the apparatus of Hempel, Dittmar, Orsat, Elliot and others. It contains also Fleuss, Boltwood, and Töpler pumps for producing high vacua.

The laboratory for electrolytic analysis is supplied with accumulators, thermopile, platinum electrodes, rheostats, ammeters, voltmeters, etc.

Another room has lately been equipped with electric furnaces and other appliances for electro-chemical work.

The organic department comprises a laboratory for preparations and research, a combustion room for analysis, a dark room for polariscope and saccharimeter work, and a lecture room. The laboratory is fitted with all the necessary apparatus for organic research—special hoods for work with poisonous gases, regulating ovens for digesting and drying at various temperatures, filter presses for the extraction of raw materials, and various forms of apparatus for distillation in vacuo. The dark room is equipped with polariscopes and saccharimeters for sugar work. There is a large supply of the necessary organic chemicals, which are supplied free of charge to students engaged in routine or research work in this department.

The laboratory for determinative mineralogy has places for 28 students, and is supplied with abundant materials for practical work. It adjoins the lecture-room in which the lectures in advanced mineralogy are delivered. The mineralogical department is also provided with suitable machinery, run by electricity, for the cutting and polishing of minerals and rocks.

The Library contains a valuable collection of the most recent English, French, and German books, and sets of various journals and transactions, including the Berichte der Deutschen Chemischen Gesellschaft, Journal für Praktische Chemie, Chemisches Centralblatt, Fresenius' Zeitschrift für Analytische Chemie, Annales de Chemie et de Physique, Journal of the Chemical Society, Journal of the Society of Chemical Industry, Chemical News, Mineralogical Magazine, Mineralogische und Petrographische Mittheilungen, etc. The library is open to students under such restrictions as are necessary to prevent damage or loss of books.

The rooms for allied purposes have, as far as possible, been grouped together on the same floor, and there is a hydraulic lift running from the basement to the attic. The offices and principal laboratories and supply rooms are also connected by a system of telephones. The building is practically fire-proof.

CHEMICAL LABORATORY.

(In the Medical Building.)

The main students' laboratory is on the ground floor and is 80 feet in length by 45 feet wide, with a ceiling 20 feet high. There is sufficient bench accommodation and equipment for from 150 to 180

students at a time. The room is well lighted and excellently ventilated, fresh warm air being supplied, and the foul air removed, by fans. In addition to this large laboratory there is a smaller one for private research work and on the opposite side of the hall, next to the lecture theatre, three preparation rooms.

ELECTRICAL LABORATORIES.

The several electrical laboratories are the Standardizing Laboratory, the Fourth Year Dynamo Laboratory, the Third Year Dynamo Laboratory, the High Tension Laboratory, the Photometer Room and a Laboratory for special investigation. Power is supplied in the form of direct current from a number of independent sources and converted when alternating current is required by motor generator sets or by inverted rotaries. The equipment of the laboratories includes, besides the usual current limiting and controlling devices, an ample supply of voltage. current, power, speed, etc., metering instruments, and practically all of the principal types of commutating, synchronous and induction machinery.

(*a*) The Standardizing Laboratory is equipped with four Kelvin Balances, best range, .025 to 600 amperes; a Kelvin standard electrostatic multicellular volt meter, Board of Trade pattern; a Weston laboratory standard ammeter, range with shunts 0 to 1,500 amperes; Weston laboratory standard D.C. and A.C. volt meters, range with multipliers and voltage transformers, 0 to 15,000; Weston laboratory standard wattmeters; a special Elliott Potentiometer for current and e.m.f. measurement, standard resistances, from a fraction of an ohm to a megohm, standard cells, standard capacities, etc., etc. Direct Current for the laboratory is furnished from storage cells having a capacity of 2,000 amperes. Alternating current of several wave shapes and frequencies from 15 to 156 periods per second and voltages up to 200,000 is available. A special transformer having a capacity of 800 amperes is used for alternating current ammeter calibration. For alternating current voltmeter calibration a special regulator is provided, by which voltages from 0 to 200 can be obtained in as small steps as desired.

(*b*) The Fourth Year Dynamo Laboratory.—In this laboratory, as well as in the Third Year Laboratory, all dynamos are motor driven. Speed regulation is attained either by varying the voltage supply to motor or by varying the motor field current. Power is obtained from six independent sources of supply, two 75 k.w. d.c. direct connected units in the service plant, one 300 k.w. hour and and three 75 k.w. hour chloride accumulators. All generators and motors are mounted on strong testing benches, fifteen inches high, with slotted floor, so that any machine when placed anywhere on the benches can be quickly secured in place. Two travelling cranes over the benches allow machines to be easily shifted. All wiring is done in cement conduits under the edges of the benches, and switchboards, stationary and movable, are provided for current distribution. Special testing tables fitted with switches, circuit breakers, etc., facilitate the work. Sixteen alternating current machines, including single, two and three phase generators, synchronous motors, synchronous converters, together with a large amount of stationary and rotary induction apparatus, are provided for alternating current work. Differently shaped inductors in inductor generators and differently shaped

poles in revolving field machines give e.m.f. wave forms of a number of different shapes. Induction motors with wire wound rotors serve as induction generators and frequency changers. The laboratory is likewise provided with about one hundred voltmeters, ammeters and wattmeters of standard make and of different ranges; also speed indicators, condensers, rheostats, standard resistances, etc., etc.

(*c*) The Third Year Dynamo Laboratory.—This laboratory is similar in design to the Fourth Year Laboratory, all generators being motor driven and mounted on convenient benches, and similarly supplied with power. It is equipped with twenty-two commutating machines; constant potential generators of various types, shunt series and compound wound motors, boosters, dynamotors, closed and open coil constant current machines, varying in capacity to 40 kilowatts of many different makes. Some seventy-five voltmeters, ammeters and wattmeters are also provided, as well as the usual accompaniment of starting boxes, controllers, rheostats for absorbing power, etc.

(*d*) High Tension Laboratory.—This laboratory is equipped with a d.c.-a.c. motor generator set and four 10 k.w. 200-50,000 volt 60 cycle transformers, and one 5 k.w. 100-25,000 60 cycle transformer, with switchboard and suitable controlling devices. Current and voltage transformers and 100,000 volt direct reading Kelvin electrostatic voltmeter are also provided.

(*e*) The Photometer Room.—This room is equipped with standard photometric apparatus for candle power measurements of arc and incandescent lamps.

(*f*) The Laboratory for special investigations adjoins the standardizing laboratory. Meter and transformer testing are also done in this room.

GOEDETIC LABORATORY.

The equipment of this laboratory consists of:—

(1) Linear instruments.
  (*a*) A Rogers comparator and standard bar for investigating standards of length.
  (*b*) A fifty-foot standard and comparator for standardizing steel bands, chains, tapes, rods, etc.
  (*c*) A Whitworth end-measuring machine and set of standards.
  (*d*) A Munro-Rogers linear dividing engine.

(2) Circular instruments.
  (*a*) A Rogers' circular comparator and dividing engine.
  (*b*) Three level triers.

(3) Time:—
  (*a*) An astronomical clock and clock circuit in connection with the observatory clocks.
  (*b*) Chronometers running on mean and sidereal time.
  (*c*) Chronograph.

(4) Gravity.—A portable Bessel's reversible pendulum apparatus with special pendulum clock and telescopic apparatus for observing coincidences of beats.

(5) A water gauge apparatus for testing aneroid barometers.

(6) Magnetic instruments:—
  (*a*) A Kew dip circle.
  (*b*) A Kew filar magnetometer.

The laboratory is constructed with double walls and enclosed air spaces, and has a special heating apparatus, so that the temperature within may be brought to, and held at, any desired degree.

The ordinary course of instruction in this laboratory is described on page 200.

Astronomical Observatory.

The observatory equipment for the purpose of instruction in practical astronomy consists of:—

1. A Bamberg prismatic transit with zenith attachment.
2. Three astronomical transits for meridian observations. Collimating telescopes.
3. A Troughton & Simms' zenith telescope.
4. An astronomical transit in the prime vertical.
5. Sidereal and mean time clocks and chronometers.
6. Chronograph and electrical circuits by which observations and clock comparisons within or without the observatory may be made.

LABORATORY OF HISTOLOGY.

The Laboratory of Histology extends across the entire end of the Laboratory Wing of the Medical Building, a distance of over 100 feet, having a breadth of 28 feet. This room is splendidly lighted and accommodation is furnished for about 100 students. There is also a smaller room for the professor and his assistants and for research and preparation work.

LABORATORY OF HYGIENE.

The main laboratory of Hygiene has a floor space of 60 ft. by 50 ft. and is well equipped with apparatus for demonstration and practical work in Hygiene. Adjoining this is a smaller private laboratory and balance room. The arrangements for light and ventilation are excellent.

HYDRAULIC LABORATORY.

Here the student studies practically the flow of water through orifices of various forms and sizes, through submerged openings, over weirs, through pipes, mouth-pieces, etc.

The equipment of this laboratory includes:—

(*a*) A large Experimental Tank, 30 ft. in height and 25 sq. ft. in sectional area. With this tank experiments are conducted on the flow of water through orifices either free or submerged. By a simple arrangement the orifices can be rapidly interchanged without lowering the head, and with the loss of only about one pint of water. The indicating and measuring arrangements connected with the tank are exceedingly delicate and accurate, all times being automatically recorded by an electric chronograph, and valuable results have already been obtained. By means of a special connection with the city water-supply, the available head of water may be increased up to 280 ft.

(*b*) An Impact Machine, which renders it possible to measure the force with which water flowing through an orifice, nozzle, or pipe, strikes any given surface, and also the impulsive effect of the water entering the buckets of hydraulic motors.

(*c*) A Rife's Hydraulic Ram.

(*d*) A Jet Measurer specially designed for investigating the dimensions of the jet produced in the phenomena known as "the inversion of the vein." With this apparatus it is possible to determine, within .001 inch, the dimensions of a jet in any plane and at any point of the path.

(*e*) Numerous orifices, nozzles, and mouth-pieces.

(*f*) A specially designed stand-pipe, with all the necessary connections for pipes of various sizes for investigations on frictional resistance. The pressures are measured by recording gauges, etc.

(g) A flume about 35 feet in length, by 5 ft. in width by 3 ft. 6 ins. in depth.

(*h*) Weirs up to 5 ft. in width, and with a depth of water over the sill varying from nil to 8 inches. A weir-depthing machine, with three adjustable heads, gives the surface depth of the stream at any three points in a transverse section. The velocity of the stream is also determined by means of a double Pitôt tube.

(*i*) Numerous hydraulic pressure-gauges.

(*j*) A mercury column 60 feet in height.

(*k*) Gauge-testing apparatus.

(*l*) Various rotary, and piston meters, and a Venturi meter.

(*m*) Apparatus for illustrating vortex motion.

(*n*) Apparatus for illustrating vortex ring motion, and for determining the critical velocity of water flowing through pipes.

(*o*) Five specially built gauging tanks with suitable indicators, each having a capacity of 800 cubic feet, for determining the critical velocity of water flowing through pipes. Also other portable tanks.

(*p*) Transmission and absorption dynamometers.

(*q*) An experimental centrifugal pump, which can be tested with varying heights of suction and discharge.

(*r*) An inward-flow turbine, a new American turbine, an outward-flow impulse turbine, a Pelton, and other motors and turbines.

(*s*) A three cylinder rotary hydraulic engine of the Brotherwood type has been added to the laboratory equipment during the past year.

(*t*) Graduated measures of various sizes; standard gallon and litre measures with glass strikes. This Laboratory is also provided with a set of pumps, specially designed for experimental work and research. They are adapted to work under all pressures up to 120 lbs. per sq. in., and at all speeds up to the highest found practicable. The set is composed of three vertical single acting plunger pumps of 7 in. diam., 18 in. stroke, driven from one shaft. They have two interchangeable valve chests, and it is arranged that both the valves and their seats may be removed and replaced by others. The pumps are also provided with a double set of continuous recording indicators designed in the laboratory and having electrical connections. With these, an accurate record of the suction and discharge valves may be obtained at any given time, all fluctuations of speed, pressure, etc., being automatically recorded.

(*u*) Hele Shaw's apparatus for experiments on stream-lines, illustrating flow round submerged bodies, stresses in plates, and many magnetic problems.

MECHANICAL ENGINEERING LABORATORY.

The equipment of this Laboratory includes:—A belt-testing machine, capable of taking a six-inch belt at 15 feet centres (the machine includes a special hydraulic dynamometer, and a friction brake, and will absorb 15 H. P.) ; a Thurston railway-pattern oil-tester, fitted with water cooling and heating apparatus for varying the temperature of the brasses as desired; an Engler standard viscosimeter, and other necessary apparatus for the physical testing of lubricants; a specially designed hydraulic support and fittings for carrying out experiments on the action of cutting tools in the lathe; apparatus for experiments on the efficiency of pulleys and hoisting appliances, and on the efficiency of worm and other gearing; apparatus for governor-testing; apparatus for studying problems connected with the balancing of reciprocating engines.

This Laboratory is used in connection with the courses in Mechanical Engineering subjects.

METALLURGICAL AND ASSAYING LABORATORIES.

These consist of a large furnace room of 2,200 sq. feet, for metallurgical operations, a furnace room for assaying of 1,300 sq. feet, a balance room, small analytical laboratory, and parts of other rooms, which are utilized for pyrometric and photo-microscopic work. The furnace room is fitted with a water-jacket blast-furnace, 21 inches inside diameter, for smelting lead and copper ores; also a hand reverberatory furnace for roasting ores, having a hearth 14 ft. by 6 ft., a Bruckner roasting furnace, an English cupellation furnace and a small gas producer.

It has also a large lead-lined chlorination-barrel for high pressures, with filter press, air pump, etc.

The furnace room adjoins the milling and ore dressing room (see below) and ores which have been crushed and dressed can easily be conveyed into the furnace room for roasting, smelting or leaching treatments.

In addition to this comparatively large scale plant, apparatus is being provided to enable the students to study in detail the more important metallurgical operations using quantities of ore or metallurgical products of usually not more than a few pounds in weight. With such appliances the work of the student can be of a more individual character than is generally possible with large scale plant, and the reactions which occur can be more easily and exactly studied.

For the purpose of small scale work there is a large crucible furnace which can be used with either natural or forced draught, a large gas furnace which can be used either as an oven furnace or a muffle furnace, and a number of small muffle and crucible furnaces in the assaying laboratory.

In the autumn of 1901 the students erected a model brick blast furnace, and used it successfully for smelting copper ores. A Roots' blower has been provided for the blast furnaces, and connections for supplying forced draft have been made to the gas and reverberatory furnaces. Electric furnaces have been constructed for carrying on operations at very high temperatures, and there is a low voltage dynamo and storage battery for electrolytic work. Leaching opera-

tions on a small scale are conducted in stoppered bottles which can be agitated by machinery.

A powerful hydraulic press and a piece of apparatus for compressing gases by hydraulic power are available for experiments that have to be conducted under great pressure.

The Assaying Laboratory is equipped with a large soft coal assay furnace, and with a number of small muffle and crucible furnaces fired with coke; the large gas muffle furnace in the furnace room is also available for assaying purposes, and there is a small muffle furnace and a crucible furnace fired by gasoline.

Adjoining the assaying laboratory, is the balance room and a small laboratory for chemical work.

In another room are a number of electrical pyrometers of both the Le Chatelier and Callendar type, and a micro-photographic outfit for recording the microscopic structure of metals and alloys. A polishing machine, worked by power, has been installed to prepare the specimens for examination.

The courses of instruction in these laboratories are described on pages 189 and 190.

MINING AND ORE-DRESSING LABORATORIES.

The Department of Mining Engineering has one large laboratory for ore-dressing and a number of rooms of moderate size equipped for use as special laboratories, offices, lecture room, dark room, machine shop, etc. The effective floor space is about 6,600 square feet, in addition to which the departmental store rooms, ore bins, etc., have an area of 1,000 feet.

The ore-dressing laboratory proper has about 4,200 feet of floor space and is 25 feet high in the centre.

It is equipped with two classes of apparatus. First, a large number of pieces especially designed for individual work on a small scale. Many of these are for elementary investigations and demonstrations of a theoretical nature, others are small scale reproductions of typical ore-dressing and milling machines. Second, a complete plant of standard apparatus for ore crushing, sampling, milling, concentrating and for coal washing. The apparatus last mentioned has been chosen from the best designs in common use and each important class of ore-dressing machinery is represented by two or more different types in order that comparative tests may be made. Each machine is so arranged that it may be used, tested and cleaned up independently, but when expedient, a number of machines can be connected by automatic conveyors and thus complete working plants of many kinds can be improvised, each of sufficient capacity to test large lots of material under approximately working conditions.

The chief pieces of apparatus in the laboratory are rock-breakers of four kinds, Blake, Dodge, Gates, and Sturtevant, for coarse crushing; Stamp mills of 600 and 950 lbs., respectively, and a small steam stamp for the fine crushing and amalgamating of gold ores; Huntingdon centrifugal roller mill, for crushing and amalgamating; high speed steel rolls for fine crushing; Gates' grinder for preparing samples, and a ball mill and several pans for extremely fine grinding.

Following these there is a Bridgman automatic sampler, and a series of trommels and hand and power shaking screens for sizing the crushed ores; two specially designed jigs of two and four com-

partments, with adjustable eccentric, cam and slide mechanisms, a pneumatic jig, and several small hand and power jigs for coarse concentration; revolving, bumping and stationary tables; a stationary glass table; Frue vanner, Wilfley table; Bartlett table, Bartlett canvas table, etc., for separating valuable minerals contained in the fine sands and slimes; plates, pans and barrels for amalgamating gold and silver ores; vats and other apparatus for cyaniding, chlorinating and other leaching processes; spitzkasten, spitzlutte, magnetic separators, coal washers, dolly tubs, and various other special pieces of ore dressing apparatus.

An hydraulic lift and a complete series of belt and bucket elevators, feeders, samplers, etc., are provided for use in heavy continuous work. The power chiefly used is electricity, generated in the University power and light station, and utilized through a number of electric motors conveniently placed near the machines to be operated, but steam is used for some pieces of apparatus and others may be driven by a pelton wheel. The department is equipped with the most approved apparatus for electrical measurements, and is thus able to make frequent and accurate determinations of the amount of power used by each machine, and for any special condition of use.

In addition to the main laboratory there are excellent facilities for advanced and research work—including a thoroughly equipped analytic and assay laboratory and a photographic room. The department possesses an excellent Fuess petrographical microscope, a good set of weighing and measuring devices, and a number of pieces of special apparatus for advanced theoretical investigation.

The courses of instruction in these laboratories are described on pages 192 to 194.

PETROGRAPHICAL LABORATORY.

The Petrographical Laboratory, containing the chief rock collections of the University, is situated in the Chemistry and Mining building, and is arranged for the use of students in the Mining Course as well as for those desirious of taking advanced work, such as Post Graduate students and those taking Honour Courses in Arts. It is provided with a number of petrographical microscopes by Seibert, Crouch, and Fuess, as well as with models, sets of thin sections, electro-magnets, heavy solutions, etc., for petrographical work.

A collection of typical rocks has been especially prepared for the use of students, and a complete equipment for cutting, grinding, and polishing rocks, has been installed, which runs by electric power and gives excellent facilities for the preparation of thin sections for microscopic use.

For advanced work and petrographical investigation Dr. Adams' extensive private collection of rocks and thin sections is available for purposes of study and comparison.

LABORATORY OF PHARMACOLOGY.

The space devoted to the practical teaching of pharmacology and pharmacy is divided into, (1) a large students' laboratory, 45 ft. by 40 ft., well lighted, well equipped and provided with benches, lockers and sets of apparatus necessary for individual student work in pharmacology and pharmacy, and (2) four smaller research rooms provided with the

necessary apparatus for extended research work. The equipment of these laboratories was supplied through the generosity of Mr. David Morrice.

THE MACDONALD PHYSICAL LABORATORIES.

The equipment of the Macdonald Physical Laboratories comprises: (1) apparatus for illustrating lectures; (2) simple forms of the principal instruments for use by the students in practical work; (3) the most recent types of all important instruments for exact measurement, to be used in connection with special work and research.

The basement contains the cellars, furnaces, and janitor's apartments at the west end of the building. The machine room—containing a small gas engine and dynamo, which are fitted for testing, but can also be used for light and power, a motor-alternator and a motor-dynamo—is situated at the extreme western corner of the basement so as to be as far removed as possible from the magnetic and electrical instruments. Here is also the switch board for controlling the various circuits for supplying direct or alternating current to different parts of the building, and a Liquid Air Plant, consisting of a Whitehead Torpedo Air-compressor, capable of giving 250 atmospheres, driven by an 11-Horse Power Electric Motor, and a Hampson Liquefier with a capacity of 1 litre per hour. The Accumulator Room contains a few large storage cells, charged by the motor-dynamo, which are fitted with a suitable series-parallel arrangement and with rheostats for obtaining and controlling large currents up to 4,000 amperes for testing ammeters and low resistances, etc.

The Magnetic Laboratory contains magnetic instruments and variometers of different patterns, and also a duplicate of the B. A. Electro-dynamometer. The laboratory on the opposite side of the basement contains a Lorenz apparatus for the absolute measurement of resistance, constructed under the supervision of Prof. Viriamu Jones.

There is a Constant Temperature Room, surrounded by double walls, which contains a Standard Rieffler Clock, and is fitted for comparator work.

The ground floor contains at the western corner a small machine shop, fitted with a milling machine and suitable lathes and tools, driven by electric motors, and such appliances as are required for the making and repairing of the instruments, for which the services of a mechanical assistant are retained. There is also a store room for glass, chemicals and cleaning materials, and extensive lockers and lavatories for the use of the students.

The Main Electrical Laboratory is a room 60 feet by 40, and is fitted with a number of brick piers, which come up through the floor, and rest on independent foundations, in addition to the usual slate shelves round the walls. This room contains a large number of electrometers, galvanometers, potentiometers and other testing instruments of various patterns, and adapted for different uses. It connects with a smaller room at the side, in which are kept the resistance boxes and standards, and also the capacity standards. A small research laboratory, adjoining the electrical laboratory, is fitted up for the study of electrical discharge in high vacua, and for work with Rôntgen and uranium radiation, and with ultra-violet light.

The first floor contains the main Lecture Theatre, with seats for about 250 students. The lecture table is supported on separate piers, which are independent of the floor. Complete arrangements are provided for optical projections and illustration. The Preparation Room in the rear contains many of the larger pieces of lecture apparatus, but the majority of the instruments, when not in use, are kept in suitable cases in the adjoining apparatus room. On the same floor there is the Heat Laboratory, devoted to advanced work in thermometry, pyrometry and calorimetry and also to such electrical work as involves the use of thermostats and the measurement of the effects of temperature. There are also two smaller rooms for professors and demonstrators.

The second floor is partly occupied by the upper half of the Lecture Theatre. There is also an Examination Room for paper work, a Mathematical Lecture Room, with a special apparatus room devoted to apparatus for illustrating Mathematical Physics, and a special Physical Library chiefly devoted to reference books and periodicals relating to Physics. A store room, lavatories and Professors' Room occupy the remainder of the flat.

The third floor contains the Elementary Laboratory a room 60 feet square, devoted to elementary practical work in heat, sound, light, electricity and magnetism. There is a Demonstrators' room adjoining, and an optical annex devoted to experiments with lenses, galvanometers, etc., which require a darkened room. On the other side of the building there is a spectroscopic room, containing a six-inch Rowland grating, with mountings by Brashear, and other large spectrometers and polarimeters. Also a series of smaller optical rooms, including a photometric room, especially fitted for Arc photometry, and a dark room for photographic work. Communication between the different flats is facilitated by means of a hydraulic elevator. The building is lighted throughout by electricity, and heated by hot water. The walls are of pressed brick, and the floors of hard maple. There is a ventilating system, consisting of Tobin tubes and suitable exit flues, assisted by a fan in the roof.

LABORATORY OF PHYSIOLOGY.

The department of Physiology occupies a large portion of the top floor of the Laboratory Wing of the Medical Building. The space allotted to this department is divided up into a large students' laboratory, 45 by 58 feet, and seven smaller rooms—professor's office and library and preparation and research rooms. The main laboratory is furnished with sufficient benches, apparatus, etc., to allow of 80 students working at one time. The research rooms are supplied with the more complicated apparatus necessary for extended research work.

TESTING LABORATORIES.

These laboratories are equipped with apparatus for the determination of the physical properties of the materials of construction and for illustrating the fundamental laws of the strength of materials. The equipmert includes:—

(*a*) A Riehlé testing machine of 60,000 lbs. capacity, a Wicksteed 100-ton and an Emery 50-ton machine for testing the tensile, compressive and transverse strength of the several materials of con-

struction. To the Wicksteed has been added a specially designed arrangement, by which the transverse strength of girders and beams up to 26 ft. in length can be determined. Special holders have also been designed and made in the laboratory for investigating the tensile and shearing strength of timber, and for the testing of wire ropes, belts, etc.

(*b*) An Impact Machine, with a drop of 30 ft, and with gearing which will enable specimens to be rotated at any required speed, and the blows to be repeated at any required intervals. By means of a revolving drum, a continuous and accurate record of the deflections of the specimens under the blows can be obtained.

(c) A Torsion Machine with a specially designed angle-measurer, by which the amount of the torsion can be measured with extreme accuracy.

(*d*) An Accumulator, furnishing a pressure of 3,600 lbs. per square inch, which is transmitted to the several testing machines, and ensures a perfectly steady application of stress, an impossibility when any form of pump is substituted for an Accumulator. An automatic electric motor has been designed in the laboratory and constructed for the purpose of actuating the accumulator.

(*e*) A Blake and a Worthington Steam Pump, designed to work against a pressure of 3,600 lbs. per square inch. The Accumulator may be actuated by either of the pumps, and, if at any time it is necessary to do so, either of the pumps may be employed to actuate the testing machine direct. When in operation the work of the pump and the accumulator is automatic.

(*f*) Extensometers of the Bovey, Ewing, Unwin, Martens Marshall and other types.

(*g*) Portable cathetometers, and also a large cathetometer specially designed and constructed for the determination of the extensions, compressions and deflections of the specimens under stress in the testing machines.

(*h*) Various electric motors for working the several machines.

(*i*) A drying oven for beams up to 26 ft. in length. The hot air in this oven is kept in circulation by means of a fan driven by an electric motor.

(*j*) Numerous gauges, amongst which may be specially noticed an Emery pressure gauge, graduated in single lbs. up to 2,500 lbs. per square inch. All of the testing machines are on the same pressure circuit, and are connected with the Emery gauge and also other standard gauges, including recording gauges. This arrangement provides a practically perfect means of checking the accuracy of the testing.

(*k*) Special apparatus and recording gauge for the testing of hose, etc.

(*l*) Dynamometers for measuring the strength of textile fabrics, the holding power of nails, etc.

(*m*) Apparatus for determining the elasticity of long wires.

(*n*) Apparatus for determining the hardness of materials of construction.

(*o*) Zeiss and other microscopes.

(*p*) Delicate chemical and other balances. A very important part of the equipment is the Oertling balance, capable of indicating with extreme accuracy weights of from .00001 lb. up to 125 lbs.

(*q*) Apparatus for the microscopic study of metals and for microscopic photography.

(*r*) Micrometers of all kinds.

(*s*) A transverse bending machine which is adapted for loads up to 3000 lbs. and for beams of 10 ft. span and a testing machine for applying bending and torsion simultaneously.

(*t*) Small beam testing machines, used to illustrate the laws of the bending of beams, both when the ends are free and when they are fixed.

(*u*) Two small tension machines, in which experiments are made on metals, the strains being within the elastic limit.

(*v*) Apparatus with experiments for long wires, adapted for experiments on wires 60 ft. in length.

(*w*) A lever machine of experiments on alternate twisting.

(*x*) A testing machine for breaking tests on wires.

(*y*) A powerful hydraulic press for compression tests on metals, cements, stone and similar materials.

(*z*) Moment of Inertia apparatus.

THERMODYNAMIC LABORATORY.

The Thermodynamic Laboratory is furnished with an experimental steam engine of 120 I. H. P., specially designed for investigating the behaviour of steam under various conditions; the cylinders are 6½ inches, 9 inches, 13 inches, and 18 inches in diameter, and the stroke of all the pistons is 15 inches. The cylinders can be so connected as to allow of working as a simple, compound, triple, or quadruple expansion engine, either condensing or non-condensing, and with any desired rate of expansion. The jackets are so fitted as to permit of measuring independently the water condensed in the cover, barrel, or bottom jacket of each cylinder, and the engine can be worked with any desired initial pressure up to 200 lbs. per square inch. The measurements of heat are made by means of large tanks, which receive the cooling water and the condensed steam. There is an independent surface condenser and air pump. Two hydraulic absorption brakes and an alternative friction brake serve to measure the mechanical power developed.

The Laboratory also contains the following machinery:—

A Robb automatic cut-off engine, having a cylinder 10 1-2 inches in diameter by 12 inches stroke. This engine is specially fitted up for the measurement of cylinder temperatures, and can be run at speeds up to 300 revolutions per minute.

An automatic high speed engine by Macintosh & Seymour, having a cylinder 12 inches diameter by 12 1-2 inches stroke. In connection with this engine there is an automatic recording apparatus for registering the load on the brake.

A hot-air engine built by Woodbury Merrill of Ticonderoga.

An Atkinson "Cycle" gas engine, having a cylinder 7 inches diameter by 2 inches stroke, and indicating 6 H. P.

An Otto gas engine (built in the workshops of the Department), having a cylinder 8 1-2 inches diameter by 12 inches stroke, and indicating 12 H. P.

A "Dake" steam engine of 4 H. P.

A two stage air compressor taking 40 H. P., and having cylinders 10 inches and 17 inches in diameter, by 15 inches stroke. The com-

pressor delivers its air into reservoirs placed beneath the floor of the machine shop, and is provided with an intercooler whose capacity can be varied as desired.

A high speed horizontal engine having a cylinder 6 inches diameter by 9 inches stroke, and operated by compressed air.

A gas-fired preheater for the above engine.

A standard 9 1-2 inch Westinghouse air brake pump, fitted for testing and for supplying compressed air for experimental and other purposes.

A non-rotative Blake steam pump, having steam and water cylinders, 4½ and 2¾ inches diameter and 4½ inches stroke.

The smaller apparatus belonging to the laboratory includes the necessary equipment of weighing machines, brakes, calorimeters, thermometers, gauges, pyrometers, fuel testers, indicators, planimeters, and a Moscrop recorder.

The boiler installation of the Engineering Building supplies steam for heating and power purposes, and is so arranged as to be available for experimental work in connection with the Thermodynamic Laboratory. It comprises boilers of five distinct types as follows:—

One Cornish boiler, for heating service, rated at 50 H. P.

One locomotive boiler, Belpaire type, 100 H. P.

One internally fired tubular boiler, 120 H. P.

Two Babcock-Wilcox water-tube boilers, each 60 H. P.

One Yarrow water-tube boiler, fitted in a closed stokehold, for working under forced draft, rated at 150 H. P.

These boilers are provided with the necessary tanks, weighing-machines and apparatus for carrying out evaporative tests.

ZOOLOGICAL LABORATORIES.

The Zoological Department occupies the whole of the uppermost floor of the east wing of McGill College and the larger portion of the floor immediately below.

It consists of:—

(*a*). A large laboratory affording accommodation for a class of 90 students.

(*b*). A smaller laboratory capable of seating about 18 students.

(*c*). Three smaller laboratories fitted up for purposes of research.

(*d*). A room fitted up for the University Osteologist.

Dissecting trays, simple and compound microscopes, reasonable quantities of the ordinary reagents and of glass are provided by the department, but students must provide themselves with dissecting instruments, and with razors.

The Department is provided with four large tanks and a number of smaller ones in order to maintain a supply of fresh specimens throughout the winter.

The subjects for practical work, are, as far as possible, selected from species inhabiting the vicinity of Montreal.

The laboratories are well provided with thermostats, microtomes, apparatus for microphotographic work and other instruments required for advanced research. There is also a small library attached to the department.

2. MUSEUMS.

MUSEUM OF HYGIENE.

DIRECTOR:—PROF. T. A. STARKEY.

The Museum has been established from the interest accruing through the endowment of the Chair of Hygiene by Lord Strathcona and Mount Royal in 1893.

With a view to exhibiting not only specimens of the best and most approved types of appliances in each particular branch of Public Health, but also examples of types which are to be avoided on Hygienic Principles, the material in the Museum has been re-arranged. In order to facilitate study and reference, the specimens have been classified upon a decimal system under the following sections:—

1. *Disinfection.*—Including disinfecting apparatus, disinfectants and antiseptics.

2. *Lighting and Heating.*—This section includes types of all known methods of heating and ventilation.

3. *Water.*—Showing underground water and supplies drawn from it; methods of purification on large and small scales, including domestic filtration; exhibits of all the common modes of pollution of water supplies.

4. *Buildings.*—Effects of ground moisture on dwellings; building materials of all kinds; and measures against dampness and foul air.

5. *Soil.*—Various kinds of soils; relation between soil and dampness; permeability of soils to gas and water; composition of soils.

6. *Air.*—Including ventilation, climate and meteorology, with apparatus illustrative of each class.

7. *Drainage and Refuse Disposal.*—This section includes every description of sanitary appliance used in building, drainage, and ultimate disposal of refuse, both liquid and solid. The section also includes types of faulty methods.

8. *Foodstuffs.*—Adulterations and modes of transmission of disease.

9. *Clothing.*—Materials and their value for clothing.

10. *Vital Statistics.*—Administration, etc.

11. *Bacteriology and Pathology relating to Public Health.*—Including specimens and slides of all the common micro-organisms, pathogenic and non pathogenic; specimens of pathological conditions met with in meats, etc.

In addition to the regular Museum Exhibit there is a collection of over 1,000 lantern slides illustrative of phases of Hygiene. The slides have been so arranged as to be available for demonstrations as hand specimens. These slides as well as all the specimens in the Museum are card catalogued, and a projecting lantern is available for their demonstration.

The following are some of the principal exhibits:—Set of Knight's diagrams and models; working models illustrating house-drainage, closets, etc., sewer air, movements of soil air; Doulton's models of drainage; damp-proof construction, absorption of moisture in building materials, ventilation appliances, combined heating and ventilation, automatic regulation of heating and ventilation; building materials; fire proofing; estimation of carbonic acid and moisture in the air; meteorological apparatus; water supply, water piping; water filtrations of public and domestic supplies; pollution of water supplies;

ground water level; sewage and refuse disposal; sanitary fitting and plumbing; food supply; food adulteration; examination of milk supplies; disinfection; disinfectants.

A complete descriptive catalogue containing a large amount of condensed information with reference to the exhibits, has been published, and may be obtained at the office of the Medical Registrar.

THE PETER REDPATH MUSEUM.

The Peter Redpath Museum contains large and valuable collections in Botany, Zoology, Mineralogy and Geology, arranged in such a manner as to facilitate the work in these departments. Students have access to this Museum, in connection with their attendance on the classes in Arts in the subjects above named, and also by tickets which can be obtained on application.

3. WORKSHOPS.

The Workshops, erected on the Thomas Workman Endowment, have a total floor area of more than 25,000 square feet.

Equipment.—The Carpenter Shop and the Pattern Shop contain thirty-eight carpenters' and pattern-makers' benches complete with the necessary sets of hand tools, twenty-two wood-turning lathes with their turning tools, a large pattern-makers' lathe for faceplate work, one circular saw bench, a jig saw, a band saw, two wood trimmers, a surface planer, a thickness planer, a mortising machine, a saw-sharpener, and one universal wood-working machine.

The Smith Shop is provided with sixteen Sturtevant forges which are power-driven and are connected with an exhaust fan. There is a power hammer, and the necessary equipment of anvils, swage blocks, sets, flatteners and other tools. Provision is made for instruction in soldering and brazing.

The Foundry has benches, tools and apparatus for bench and floor moulding and core-making, and is able to accommodate twenty students. A gas-fired brass melting furnace, a cupola for melting iron, and the necessary core-ovens and core-benches give facilities for undertaking iron foundry work in green and dry sand, and for brass moulding. The shop is served by a hand travelling crane of one ton capacity.

The Machine Shop has twelve 18-inch engine lathes, one 18-in turret lathe fitted for stud and screw making, one 27-inch engine lathe, one 72-inch surfacing lathe, one brass-finishing lathe, one 36-inch vertical drilling machine with compound table, one universal milling machine with vertical milling attachment and dividing headstock, one planer capable of taking work up to 24″ × 24″ × 5ft., one 9-inch slotting machine, one 16-inch shaper, one universal grinding machine, centering machine, a cutter grinder, a tool grinder and a buffing and emery grinding machine. There are vise benches for eighteen students, with the necessary hand-tools, and a marking-off table. The tool-room contains a full equipment of drills, reamers, milling cutters, and accessories, gauges, callipers, and other measuring instruments.

All the machinery in the workshops is driven electrically by motors taking power from the generating station in the Macdonald Building.

The Graduate School

Graduate instruction was for many years offered in the various departments of McGill University without definite organization. The increased demand for such work led the Corporation in 1906 to formally organize and extend the higher teaching work of the University. A Graduate School was, therefore, established, and in it are enrolled all the graduate students in the University who are following advanced courses of study in subjects which in the undergraduate work fall within the scope of the Faculties of Arts and of Applied Science.

The Faculty of the Graduate School consists of the professors of the Faculties of Arts and of Applied Science, but the initiative and administration of the School is placed in the hands of a Committee selected from these Faculties and known as the Committee on Graduate Studies. The Chairman of this Committee is the official head of the Graduate School. The advanced courses of study offered in the Graduate School lead to the degrees of Master of Arts, Master of Science, and Doctor of Philosophy.

Instruction for students of the Graduate School is provided in the following departments of study which at present rank as "Subjects":—

Philosophy, including Psychology.
History.
Economics and Political Science.
Greek Language and Literature (including Grecian History),
Latin Language and Literature (including Roman History).
French Language and Literature.
German Language and Literature.
English Language and Literature.
Mathematics.
Physics.
Chemistry.
Botany.
Zoology.
Geology and Mineralogy.
Thermo-dynamics and Theory of Heat Engines.
Theory of Elasticity, Strength of Materials and Theory of Structures.
Hydro-dynamics and Hydraulics.
Applied Electricity.
Theory of Machines and Machine Design.
Metallurgy.
Mining.

The requirements for the several higher degrees in course are as follows:—

Degree of Master of Arts.

1. Candidates must hold the degree of B.A. or B.Sc. (in Arts) from McGill University, or its equivalent.

2. Candidates must have taken

(*a*) One year of resident graduate study at McGill University; or

(*b*) Two or more years of private work; the amount of such work required may be stated to be the equivalent of one year of academic study.

3. One, two or three subjects may be taken.

4. One of these subjects shall be designated as the Major Subject and special attention shall be devoted to it. It must be a subject which the student has already studied in his undergraduate course, and the work required in it will represent an attainment in knowledge far in advance of that required for the B.A. degree. The Minor Subject, or Subjects, may be selected from those of the undergraduate course of the third or fourth years, which have not already been taken by the candidate. Not more than one-third of the candidate's time for the year shall be devoted to these subjects. The student shall pass an examination in each of the subjects of his course.

5. The student shall also present a Thesis on some topic connected with his Major Subject. The title of his Thesis must have been previously submitted to the Committee on Graduate Studies and the Head of the Department concerned for their approval. The Thesis shall show evidence of distinct ability in dealing with the subject selected, and shall also display good literary style.

6. Graduates possessing a Bachelor's degree, who act as Demonstrators or Tutors in the University for the entire session may proceed to the degree of M.A., and, in so doing may at the discretion of the Department with which they are connected, and the Committee on Graduate Studies, omit a portion of the course of study. They shall, however, be called upon to pass an examination on the course of study which they have followed, and shall in all cases submit the Thesis prescribed for that degree. If, however, they desire this year's work to count as one of the three years of study required for

the Ph.D. degree, they must make their course of study conform to the Ph.D. requirements.

N.B.—The first year's course of study for the Ph.D. degree will cover the requirements of the M.A. course, but, if such a course of study be followed, a Thesis must be submitted and approved before the degree of M.A. is conferred. If, however, the student continues his course of study and takes the degree of Ph.D., the degree of M.A. will be conferred with the degree of Ph.D., in which case no special thesis will be required for the former.

Degree of Master of Science.

1. Candidates must hold the degree of B.A. or B.Sc. from McGill University, or its equivalent.

2. Candidates must have taken
   (*a*) One year of resident graduate study at McGill University; or
   (*b*) Two or more years of private work; the amount of such work required may be stated to be the equivalent of one year of academic study.

3. The course of study followed by the candidate shall be of an advanced character, being the equivalent of that required for the degree of M.A., and shall lie in the domain of Pure or Applied Science. It shall be selected from *one* of the last thirteen subjects in the list given above. Geodesy and Ore Dressing also constitute subjects in the case of this degree. This course of study must have been previously submitted to the head of the Department and to the Committee on Graduate Studies and have received their approval.

4. The candidate shall also present a Thesis on some subject connected with his course of study. The title of this Thesis must have been previously submitted to the head of the Department and to the Committee on Graduate Studies and have received their approval. This Thesis shall show evidence of distinct ability in dealing with the subject selected and shall also display good literary style. It may deal with some very special topic, but the course of study followed by the student must cover a much wider field.

5. Graduates possessing a Bachelor's degree, who act as Demonstrators or Tutors in the University for at least one entire session, may proceed to the degree of M.Sc., and, in so doing, may, at the discretion of the Committee on Graduate Studies, omit a portion of the course of study usually required. They shall, however, be called upon to pass an examination on the course of study which they have followed, and shall in all cases submit the Thesis prescribed for the degree.

Degree of Doctor of Philosophy.

1. The candidate for the degree of Doctor of Philosophy must hold the degree of B.A. or B.Sc. from McGill University, or its equivalent.

2. He must have followed a course of at least three years' resident graduate study.

3. He must select one Major Subject and one Minor Subject. The Minor Subject selected must be related to his chief line of work. This Minor Subject shall have devoted to it about one-quarter of the instruction given during the entire course.

4. The condidate must satisfy the Committee that he has a reading knowledge of both French and German before he will be permitted to enter upon the course of the second year.

5. The examination on the Major Subject shall cover not merely the formal courses of instruction which have been taken, but the candidate must show that he possesses a good general knowledge of the whole science or branch of learning which he has selected as his Major Subject. A similar general, though less detailed, knowledge shall be required in the case of the Minor Subject.

6. The candidate shall also prepare a Thesis which must display original scholarship or show marked ability to conduct research. If the Thesis be accepted, two hundred printed copies of it must be deposited with the University Librarian before the candidate shall receive his diploma.

The University has decided to exact a very high standard in the case of this degree and, at least three years of study are therefore demanded.

To meet immediate needs, the University has decided to offer at once the complete three years' course leading to the

degree of Doctor of Philosophy in the following subjects taken as Majors:—

Philosophy.
Physics.
Chemistry.
Zoology.
Theory of Elasticity, Strength of Materials and Theory of Structures.
Hydro-dynamics and Hydraulics.

Students desiring to proceed to the degree of Doctor of Philosophy in subjects other than those mentioned above may communicate with the Chairman of the Committee on Graduate Studies (Dr. Adams) at the Chemistry and Mining Building, to whom also application should be made by all students desiring to follow courses of study in the Graduate School.

Royal Victoria College.

The institution of the Royal Victoria College, in September, 1899, was a direct continuation of the work begun in 1883, during the Principalship of the late Sir William Dawson, when Lord Strathcona and Mount Royal placed a sum at the disposal of the University of McGill, for the Endowment of a College and classes for women. For many years previously it had been hoped by those interested in the education of women in Montreal that the University would extend its benefits to women, but the means necessary for carrying out such an aim had not been available. The classes were organized in 1884 as a Special Course in the Faculty of Arts, held at McGill College, separate in the main from those for men, but under identical conditions. In some of the work of the third and fourth years, and in the Honour Courses, the classes were held jointly.

The ultimate aim of Lord Strathcona had been the foundation of a place of residence, and, with this object, he announced his intention of building and endowing the Royal Victoria College. By the opening of this Institution the opportunity of residence and college life is given to women-students of McGill University, working in accordance with the system previously organized in the Special Course in Arts, but under greatly improved conditions. A share in the advantages of college life is offered also to the non-resident women-students of the University, who are henceforth also students of the Royal Victoria College. Additional elements have been added in the organization of a Musical Department, now superseded by the McGill Conservatorium of Music, and in the institution of Resident Women Tutors. These additions are in accordance with the general aim of the College; viz., the higher education of women, and mainly to qualify them to take degrees in Arts (including Pure Science), and to provide them with instruction in those branches of a liberal education necessary thereto and in such other subjects as may from time to time be determined.

The College being a constituent College of McGill University, its students, whether graduate students, undergraduates, conditioned students, or partial sudents, follow the courses in Arts and Pure Science offered by the University (see pages 76 to 86).

Lectures are given by the Professors and Lecturers of the University, either in the College or in the University buildings, and students attend the University laboratories for practical instruction. In addition to the instruction given in lectures and laboratory practice, the students of the Royal Victoria College are assisted in their studies by the Resident Tutors.

THE COLLEGE BUILDING.

The College is situated on Sherbrooke Street at the head of Union Avenue, in close proximity to the University buildings and to the slopes of Mount Royal. The building is fireproof, and much thought and artistic care have been given to the furnishing and decoration.

On the ground floor are the offices of the Administration, including the room of the Warden and Secretary, the Professors' common room, lecture rooms, students' common room and a spacious dining hall. On the first floor are other lecture rooms, the library, reading-room, a handsome assembly hall, and a few rooms for resident students. The second and third floors are devoted to the rooms of the resident students and tutors. These are of varying size and plan. Each student has a separate study bedroom. The entire use of a sitting-room can be obtained, and arrangements may be made for a sitting-room to be shared by the occupants of the two or three bedrooms immediately adjoining. The rooms are completely furnished, and no article of furniture need be brought by the students.

In addition to the lawn at the back of the College, the students are entitled to use, subject to regulations, the grounds of McGill University, with its tennis-courts, skating-rink, etc.

A nucleus of a College Library has been formed with a set of books, comprising the chief stated books and others referred to in connection with the University curricula, the modern language course being especially well represented. There are also works of general literature. The Library is a reading-

room, and the books are not taken away. The students have access also to the University Lending Library.

Students of Music have the use of pianos in a large practising-room, and, at certain hours, in other parts of the building.

A large Gymnasium is provided, fully equipped in accordance with modern requirements. In connection with the Gymnasium there are bath-rooms and dressing-rooms.

The health of the students is under the charge of a competent physician practising in Montreal, who may be consulted free of charge.

Students of the Royal Victoria College, as students of McGill University, are entitled to the use of the University Library, containing about 112,000 volumes, and the Peter Redpath Museum, containing large collections in Mineralogy, Palæontology, Zoology, Botany, Archæology, and Ethnology, and to work in the physical, chemical, zoological, botanical and other laboratories. (For particulars of laboratories, etc., see pp. *243 et seqq*).

BOARD AND RESIDENCE.

Residence in the College buildings is open to graduate students, undergraduates, conditioned students, or partial students, but the last are not received in residence unless they take courses of study approved by the Faculty of the College. The charge for board and residence, in addition to the sessional fees for tuition (see pp. 52 and 53), is $290. An additional charge, varying from $25 to $60, is made for the use of a private sitting-room shared by two students, or for the sole use of a private sitting-room. These charges cover the University Session, 9th September—30th April, and the summer classes, May 1st—15th June. A deduction of $50 is made in the case of students who go out of residence at the end of the University Session.

Applications for admission or further particulars should be addressed to the Warden, Royal Victoria College, Montreal.

PHYSICAL TRAINING.

The Gymnasium is in charge of a fully qualified Physical Teacher. The system of gymnastics taught includes the various forms of gymnastics considered beneficial, the work

being based on anatomical and physiological laws. The exercises aim at producing the highest degree of health in each individual and thus to contribute to mental as well as physical efficiency. To this end all undue exertion is avoided, and the work is made as recreational as possible. The exercises are also of a corrective character to counteract bad and harmful positions so often assumed during study hours. Especial attention is given to the development of the chest, since a good lung capacity is the foundation of a really healthy constitution. All students are examined by the Medical Director before taking part in the classes or other physical exercise organized by the College, and a remedial gymnastic course is arranged for students who are physically unfit for the ordinary class work, and for students with spinal curvature.

The Gymnasium is also used for Fencing and Basket Ball, and for other indoor games. Law Tennis can be played on the College lawn during the summer months.

Undergraduate students of the First Year are required to attend the Gymnasium for two periods a week; Undergraduate students of the Second Year for one period a week.

EXHIBITIONS AND SCHOLARSHIPS.

For a statement of the Exhibitions and Scholarships open to women students of the University, see pp. — to —.

In addition to these, and further to encourage residence within the College walls of students who might otherwise arrange to board in the city, the Warden and Staff are empowered to make nominations in any of the four College years to not more than three additional Exhibitions of the value of $100 each.

MUSIC.

Instruction in Music is offered at the McGill Conservatorium of Music,—under the Superintendence of the Director and Miss Clara Lichtenstein as Vice-Director. The subjects of instruction carried on in the Conservatorium are:—Pianoforte, Singing, Organ, Violin, Violoncello, and all Orchestral Instruments; Harmony, Counterpoint. Canon and Fugue, Composition, Form, Analysis, History of Music, Theory, Elements of Music, Orchestral Class, Ensemble Playing, Piano-Accom-

paniment, Part Singing, Choir Singing, Sight Singing, Operatic Class, English, French, German, Italian, Elocution, together with instruction in accordance with the scheme of the Associated Board of the Royal Academy of Music and the Royal College of Music, whose examinations—now conducted in Canada conjointly with McGill University—enjoy a well-deserved reputation for thoroughness and efficiency.

For Time Table of lectures in Arts, see first part of Calendar.

Macdonald College

GENERAL STATEMENT.

Macdonald College (incorporated with McGill University) was founded, erected, equipped and endowed by Sir William C. Macdonald for the following among other purposes:—

1. For the advancement of education; for the carrying on of research work and investigation and the dissemination of knowledge; all with particular regard to the interests and needs of the population in rural districts.

2. To provide suitable and effective training for teachers and especially for those whose work will directly affect the education in schools in rural districts.

The College occupies a beautiful site, overlooking the Ottawa River at Ste. Anne de Bellevue, twenty miles west of Montreal. The main lines of the Grand Trunk and the Canadian Pacific railways pass through the property and the stations of both railways are within its boundaries.

The College property comprises 561 acres, and has been arranged into three main areas, viz., (1) The Campus, with plots for illustration and research in grains, grasses and flowers, containing 74 acres; (2) The Small Cultures Farm of 100 acres, for horticulture and poultry keeping; and (3) The Live Stock and Grain Farm extending to 387 acres.

The College will be opened 17th September, 1907.

OFFICERS OF INSTRUCTION.

The staff of the College has not yet been completed. Announcement of other appointments will be made in the calendar of the College.

JAMES W. ROBERTSON, LL.D., C.M.G., Late Commissioner of Agriculture and Dairying for the Dominion, Principal.
GEO. H. LOCKE, M.A., Head of School for Teachers.
F. C. HARRISON, B.S.A., M.Sc., Professor of Bacteriology.

WILLIAM LOCHHEAD, B.A., M.S., Professor of Biology.
CARLETON J. LYNDE, Ph.D., Professor of Physics.
LEONARD S. KLINCK, M.S.A., Professor of Cereal Husbandry.
JOHN BRITTAIN, D.Sc., Professor of Nature Study.
J. F. SNELL, Ph.D., Assistant Professor of Chemistry.
W. SAXBY BLAIR, Assistant Professor of Horticulture.
J. M. SWAINE, M.A., Lecturer in Biology.
JOHN FIXTER, Farm Superintendent and Instructor in Farm Machinery.
FRED. C. ELFORD, Manager and Instructor in Poultry Department.

THE BUILDINGS AND FARMS.*

The Buildings.

(*a*) The Main Building provides administration offices, class-rooms and work-rooms for the School for Teachers Nature Study, Household Science and Manual Training, Library and Reading Room, Museum and Assembly Hall.

(*b*) Two Laboratory Buildings furnish accommodation and equipment for the Branches of Physics, Chemistry, Biology and Bacteriology. Both are connected with the Main Building by covered corridors.

(*c*) The Agricultural, Horticultural and Live Stock Building contains class-rooms, work-rooms, a live stock arena, farm machinery hall, dairy work-rooms, cold storage and adjacent green-houses for horticulture.

(*d*) The Poultry Building has class-rooms, judging-room, incubator-rooms, brooder-house, and pens for different breeds of poultry. Colony houses for poultry are located on adjoining grounds.

(*e*) The Women's Residence Building contains reception rooms, and bedrooms for over 200 students, a dining hall to seat 350, a gymnasium, a swimming pool, and all other modern accessories. It is connected with the Main Building by a covered corridor.

(*f*) The Men's Residence Building has accommodation for over 150 students, a gymnasium, a swimming pool and other modern appointments.

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* See pages 8 and 9.

These buildings are of fire proof construction in stone, brick, steel and concrete. The roofs of the six Main Buildings are also of steel and reinforced concrete, and all of the roofs are covered with red tiles.

Every building is provided with a complete system of ventilation whereby fresh air (warmed in winter) is furnished to every room, including bedrooms. A duct from each room removes the foul air and thus insures a continuous circulation of pure air.

The buildings are heated, lighted and supplied with water from the Power House. A system of tunnels provides for the distribution of heat, light, power, water and gas. The Power House contains six horizontal tubular boilers of 150 horse power each, with engines, electric generators, pumps and a gas plant. The water supply is taken from the channel of the Ottawa River and will be filtered.

The Small Cultures Farm.—On the Small Cultures Farm is a commodious brick barn for the storage of garden and orchard produce, the grain grown on the experimental plots, the implements of cultivation, the machinery for threshing and cleaning seed, and for the stabling of horses.

There are several acres of apple orchard in full bearing. The greater part of 100 acres will also be used for commercial work, demonstrations and investigations with large fruits, small fruits and vegetables. Macadam and other roads have been laid out and built to give ready access to the various sections.

An area of several acres is set apart for poultry runs, where 1,000 hens will be kept in simple colony houses, each built to accommodate from 25 to 75 fowls.

The Main Farm.—The Live Stock and Grain Farm, comprising about 387 acres, is in good state of cultivation, well drained, and provided with well built roads.

The farm buildings consist of a farm house, a number of cottages, barns with commodious stables for horses and different breeds of cattle, and a piggery for different breeds of swine. The cattle stables have room for over 80 milch cows and 100 young animals.

DEPARTMENTS OF THE COLLEGE.

Students will be enrolled for courses of instruction in one or more of the three Departments or Schools of the College, viz., :—

(1) *The School for Teachers,* which provides practical and thorough training for teachers in the art and science of teaching.

(2) *The School of Agriculture,* which aims to provide a thorough theoretical and practical training in the several branches of Agriculture.

(3) *The School of Household Science,* in which young women receive training in those branches of Household Economy that make for good home-making.

THE GOVERNMENT OF THE COLLEGE.

Under the statutes the Governors of McGill University have constituted the Principal of Macdonald College, together with such other members of the staff of Macdonald College and such other persons as the Governors may see fit to appoint from their own number or otherwise, as the Macdonald College Committee. It is the duty of this Committee to direct the educational policy and curriculum, to frame and enforce the necessary regulations touching the details of the courses of study and teaching, the College examinations, the admission of students, the amount and mode of payment of fees, and the discipline and internal government—the whole subject to report to the Governors and at least once a year to Corporation.

There is also appointed by the Governors an Executive Committee of the Macdonald College Committee whose duties are such as the Governors may from time to time determine, or as the Macdonald College Committee may entrust to it.

All courses given in Macdonald College leading to a degree in the University, the examinations held in connection therewith, and fees payable in respect of such courses and examinations, are subject to the approval and under the control of the Corporation of McGill University.

Courses for the training of teachers, together with the examinations held in connection therewith, shall be under the direction of the Teachers' Training Committee, such training and examinations for teachers for the Protestant Schools in the Province of Quebec being subject at all times to the regulations of the Protestant Committee of the Council of Public Instruction.*

THE COLLEGE YEAR—1907-1908.

School for Teachers.

First term begins.....	September 17th,	1907
and ends	December 20th,	1907
Second term begins.....	January 6th,	1908
and ends	June 17th,	1908

School of Agriculture.

First term begins.....	October 1st,	1907
and ends	December 21st,	1907
Second term begins.....	January 3rd,	1908
and ends	April 30th,	1908

School of Household Science.

First term begins.....	September 24th,	1907
and ends	December 21st,	1907
Second term begins.....	January 3rd,	1908
and ends	April 3rd,	1908
Third term begins.....	April 7th,	1908
and ends	June 26th,	1908

* Under the agreement between the Government of the Province of Quebec and the Royal Institution for the Advancement of Learning, forming the schedule to the Act 7, Edward VII, Chapter , the Teachers' Training Committee shall consist of the Principal of McGill University for the time being, who shall be, ex-officio, chairman; of two persons appointed by the Protestant Committee of the Council of Public Instruction; of the English Secretary of the Council of Public Instruction; of the Professor of Education in McGill University for the time being; of the Principal for the time being of the Macdonald College; of the Head for the time being of the Teachers' Training Department of the Macdonald College; and of one person appointed by the Corporation of McGill University—the persons appointed respectively by the Corporation of McGill University and the Protestant Committee to hold office for a term of three years and to be eligible for re-election.

THE SCHOOL FOR TEACHERS.

By an agreement with the Government of the Province of Quebec, confirmed by an Act of the Legislature, it was provided that a school for the training of teachers for the schools under the control of the Protestant Committee of the Council of Public Instruction should be established and carried on at Ste. Anne de Bellevue in lieu of the McGill Normal School in Montreal, under the regulations of the Protestant Committee and in the manner hereinafter mentioned.

The Trustees of Macdonald College undertook in the said agreement:—

"(1) To provide and maintain at their own expense on the "said property at St. Anne de Bellevue, class-rooms, labor- "atories, library, assembly hall, offices, and other rooms, fully "equipped and in every way suitable for the purposes of a "school for the training of teachers according to the present "requirements of the Province;

"(2) To carry on therein at their own expense, a school "for the training of teachers for the schools under the con- "trol of the Protestant Committee, the teaching and training "to be given by said school to be in all respects equal to the "present standard and requirements of the Province, and to "be carried on in accordance with the regulations made from "time to time by the Protestant Committee, such training to "include efficient courses in the study of nature, in household "science, and in manual training;

"(3) To provide and maintain, without expense to the "Province of Quebec, upon said property, a suitable residence "for the female pupils of said school and a suitable residence "for the male pupils thereof;

"(4) To give free tuition to such pupils as may give to "their satisfaction, an undertaking to teach in the Province "of Quebec, and to supply board and lodging to the resident "pupils as cheaply as can be done without loss."

"The teaching and training in the said school shall, subject "to the regulations at all times of the Protestant Committee,

"be under the direction of a Committee, to be called the "Teachers' Training Committee, which shall consist of the "Principal of McGill University for the time being, who shall "be *ex-officio* Chairman; of two persons appointed by the "Protestant Committee; of the English Secretary of the Coun- "cil of Public Instruction; of the Professor of Education in "McGill University for the time being; of the Principal, for "the time being, of Macdonald College; of the Head, for the "time being, of the Teachers' Training Department of Mac- "donald College; and of one person appointed by the Cor- "poration of McGill University; the persons appointed, "respectively, by the Corporation of McGill University and "by the Protestant Committee to hold office for a term of "three years and to be eligible for re-election."

This institution is intended to give a thorough training to teachers, by instruction and training in the School for Teachers itself, and by practice in the model schools; and the arrangements are of such a character as to afford facilities to students from all parts of the Province. The Protestant Central Board of Examiners for the Province of Quebec grants diplomas only to teachers-in-training of this institution and to graduates of British or Canadian universities.

The students will be classified as follows:—

1. Elementary Class—Studying for the Elementary diploma;
2. Advanced Elementary Class—Studying for the Advanced Elementary diploma.
3. Kindergarten Class—Studying for the Kindergarten diploma.
4. Model School Class—Studying for the Model School diploma.
5. Class in Pedagogy — Preparing for the Academy diploma.*

Detailed information respecting the courses of the four grades first enumerated above may be obtained on application to Macdonald College at Ste. Anne de Bellevue, Que.

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* This class will be held either at McGill University or at Macdonald College.

THE SCHOOL OF AGRICULTURE.

Courses are offered in the School of Agriculture as follows:—

A. Short courses of from two weeks to three months each.
B. A Two-Year Course leading to a diploma.
C. A Four-Year Course leading to a Bachelor's Degree.

A. The Short Courses are made as practical as possible, and are provided in the subjects of:—

1. Live Stock.
2. Seeds, Crops and Weeds.
3. Poultry.
4. Horticulture.

B. The Two-Year Course embraces studies in:—
1. Field and Cereal Husbandry.
2. Animal Husbandry.
3. Poultry Husbandry.
4. Home Dairying.
5. Horticulture.

Studies duly co-ordinated are carried on in the Chemistry, Physics, Biology and Bacteriology laboratories, bringing out the direct bearing of the sciences on agriculture. Adequate attention will also be given to English, Mathematics and Bookkeeping.

C. The Four-Year Course:—This is a continuation of the Two-Year Course for the purpose of affording opportunity for more advanced knowledge of rural economy, and more thorough and exact acquaintance with the Natural Sciences and their applications to the conditions, processes, and organizations of rural life.

A student may proceed with the work of the Third Year towards a degree,—(*a*) if on entering his first year he presents a matriculation certificate, or an equivalent, and completes a satisfactory examination on the work of the Two-Year Course; or (*b*) if he obtains 60 per cent. in general proficiency in the examination on the work of the Two-Year Course, and

has been granted permission by the Faculty—the whole subject to the regulations of Corporation.

The subjects to be taken up in the Third and Fourth Years are as follows:—

Third Year:—

English (Composition and Literature), French, Rural Economics, Agronomy, Live Stock, Dairying, Horticulture, Chemistry, Physics, Biology, Bacteriology.

Fourth Year:—

English, French, Physics, Chemistry, Biology, Bacteriology, and one of the following optional courses.—Animal Husbandry Course, Agronomy Course, Horticulture Course, Dairy Husbandry Course.

THE SCHOOL OF HOUSEHOLD SCIENCE.

The School of Household Science occupies along with the School for teachers all of the second and third floors of the Main Building. It contains three large kitchens, a practice dining room, a sewing room, a class laundry, millinery and dressmaking rooms, a house decoration room, a practice apartment house, several store rooms and offices, all thoroughly equipped for instruction in the science and art of housekeeping.

Courses of Study.

Courses are offered in Household Science as follows:—

A. Short Courses.
B. A One-Year Home-maker Course.
C. A Two-Year Course leading to a diploma.

A. The Short Courses last three months each, are made as practical as possible, and include the study of:—

1. Foods.
2. Plain Cooking.
3. Sewing.
4. Laundry.
5. Home Nursing, Sanitation and Hygiene.
6. Home Art.
7. Care of the House

B. The One-Year Home-maker Course embraces practical and theoretical work in:—

1. Foods.
2. Cookery.
3. Household Economics.
4. Materials for Clothing.
5. Dressmaking and Millinery.
6. Laundry.
7. Fuels, Ventilation and House Sanitation.
8. Home Nursing and Hygiene.
9. Home Art.

Simultaneous studies are carried on in the Physics, Chemistry, Biology and Bacteriology laboratories to show the direct bearing of the sciences on the practical side of housekeeping.

C. The Two-Year Course is an extension of the One-Year Course comprising a more intensive study of the subjects therein embraced, and also more advanced laboratory work in the Chemistry, Physics, Biology and Bacteriology Branches. English, Mathematics and History are also obligatory subjects in this course, and the student is allowed to choose two of the following:—Home Dairying, Poultry, Horticulture, Seeds and Plant Improvement, and Wood Carving.

TERMS OF ADMISSION.

School for Teachers.

Teachers to be trained for the schools under the control of the Protestant Committee of the Council of Public Instruction for the Province of Quebec will be admitted under conditions similar to those which have been in force hitherto at the McGill Normal School.

Other teachers will be admitted for courses in Nature Study and School Gardens, in Household Science and in Manual Training under regulations of the Macdonald College Committee.

Such candidates for admission,—

1. Must be 18 years of age;

2. Must be recommended by the Department of Education or a School Inspector of the Province in which they reside;

3. Must produce satisfactory evidence as to moral character and physical health.

Schools of Agriculture and Household Science.

All candidates for admission,—

1. Must be 17 years of age;
2. Must produce satisfactory evidence as to moral character and physical health; and
3. In the case of candidates for the course of Agriculture, must produce evidence of having worked for a season on a farm in Canada, affording a practical knowledge of ordinary farm operations.

No entrance examination test will be required for Short Course students; but all candidates for the One and Two-Year Courses will be required to pass an examination in:—

(*a*) Reading, Writing and Dictation.
(*b*) English Grammar.
(*c*) Elements of Arithmetic.
(*d*) Outlines of general geography and the geography of Canada.

TUITION FEES AND LIVING EXPENSES.

Tuition will be free to residents of the Province of Quebec. There will be a small laboratory fee (not exceeding $5.00) to cover the actual cost of materials used, and a contingency fee to cover possible breakages, penalties, etc.

Students in Residence.—The young women in residence will be in charge of a house-mother. A dietician and housekeeper will supervise the dining-room and the work of the servants. A matron will be in charge of the Men's residence.

Board, room and washing of a specified number of pieces will be furnished for $3.25 per week each, where two students occupy one room; and, in the case of students occupying single rooms, for $3.50 per week.

Further details as to the courses, etc., will be found in the Announcement of Macdonald College, which will be sent on application.

McGill University College of British Columbia

OFFICERS OF INSTRUCTION.

————, Principal (to be appointed.)
G. E. ROBINSON, B.A. (Dalhousie), Professor of Mathematics.
J. K. HENRY, B.A. (Dalhousie), Professor of English and Lecturer in Physics.
L. E. ROBERTSON, M.A. (McGill), Professor of Greek and Lecturer in Latin.
H. CHODAT, M.A. (McGill), Professor of Modern Languages.
H. K. DUTCHER, M.Sc. (McGill), Professor of Civil Engineering.
J. G. DAVIDSON, B.A. (Toronto), Professor of Physics and Lecturer in Mathematics.
W. B. BURNETT, B.A. (Acadia), M.D. (McGill), Lecturer in Biology.
————, Professor of Mechanical Engineering (to be appointed).
————, Professor of Chemistry and Mining (to be appointed).

HISTORICAL SKETCH.

Under an act passed by the Legislature of British Columbia in 1896 providing for the incorporation of High Schools as Colleges affiliated to recognized Universities, Vancouver High School became Vancouver College, and was admitted to affiliation for the First Year in Arts by the Corporation of McGill University. Work was begun under this new relationship in 1899, and by 1902 such progress had been made that an extension of affiliation was granted to cover the first two years in Arts.

The need of University connection more intimate still than that of affiliation and also an extension of the scope of work came to be felt and urged, and, in 1906, as the result of much careful inquiry and deliberation local legislation was passed, (1) enacting that "The Governors, Principal, and Fellows of McGill University may exercise and enjoy in the Province of British Columbia all the powers, rights, privileges and functions conferred upon them by the Charter granted to them by His late Majesty King George IV, in the second year of his reign and amended by Her late Majesty, Queen Victoria

in the sixteenth year of her reign," and (2) authorizing the incorporation of a body politic under the name of "The Royal Institution for the Advancement of Learning in British Columbia," and empowering this body "to establish, at such place in British Columbia as McGill University may designate, a College for the higher education of men and women, such college, in respect of courses of study and examinations, to be deemed a College of McGill University, and the instruction given to its students to be of the same standard as that given in like subjects at McGill University at Montreal." In pursuance of the objects of its foundation, therefore, the Royal Institution has established at Vancouver the McGill University College of British Columbia, by agreement with the Board of School Trustees, taking over the Arts work previously done by Vancouver College with extension of the scope and options allowed, and adding the first two years of the course in the Faculty of Applied Science. The immediate aims of the Royal Institution include also courses in Biology and Chemistry (Arts and Medicine) and in Assaying and Metallurgy, and it hopes to make provision so that the incoming First Year in Arts shall receive its full course in the College and be admitted to the B.A. Degree, locally, in 1911.

CONSTITUTION OF THE UNIVERSITY COLLEGE.

Under the Act of the Legislature of the Province of British Columbia, above referred to, the Royal Institution for the Advancement of Learning of British Columbia is constituted a body corporate with all the usual rights and privileges of corporate bodies. The members of the Royal Institution are the Governors of the College and, as such, control the finances, make statutes and by-laws, appoint professors and perform all other administrative duties. The President of the Royal Institution is, *ex officio*, Chancellor of the College, the Principal is the academic head and chief administrative officer. He is appointed by the Board of Governors, of which body he is also a member, *ex officio*. A Senate has been constituted under the Statutes. In conjunction with the Faculty and the Corporation of McGill University, the Senate exercises authority over all matters relating to educational policy. The College is undenominational in character.

COURSES OF STUDY.

The College is at present offering instruction in the work of the Final Year for Matriculation; in the first two years of the Arts course of McGill University, including Biology and Chemistry, and in the First and Second Years of the Course in Applied Science. The standard of work is that of McGill University, all the examinations being conducted by the examining Board of that Institution. It is expected at a very early date to offer instruction in the full course leading to the B.A. degree. Until such can be done candidates passing the examinations at the end of the Second Year are admitted to the Third Year in McGill University without further examination. Those who complete the two years' course in the Faculty of Applied Science are also admitted to the Third year of that Faculty in McGill University. The courses in Biology and Chemistry are arranged so as to secure exemption in these subjects in the Faculty of Medicine at the University.

THE SESSION.

The University Year or Session is divided into two terms, the first extending to the Christmas vacation, and the second from the expiry of the Christmas vacation to the end of the Sessional examinations in April. The Session of 1907-8 will begin, for matriculation classes on August 26th, 1907, and for University courses on Wednesday, September 18th, 1907.

Full information regarding matriculation requirements, courses of study and all other matters in connection with the College may be obtained from the Principal, or from Mr. Lemuel Robertson, M.A., Registrar.

Graduates.

SESSION 1906–1907.

FACULTY OF ARTS.

PASSED FOR THE DEGREE OF B.A.

IN HONOURS.

(In Alphabetical Order).

First Rank.—Cheesbrough, Charlotte M.
Couture, L. Ida.
Crawford, Emily C.
Eaton, Mary J.
Harrison, Ralph D.
Huxtable, Maggie
King, L. Mabel
MacCallum, Orick B.
Parsons, Howard G.
Penny, E. Goff T. (First Rank in Latin; Second in French.)
Swift, Sherman C.
Vincent, Irving O.

Second Rank.—Armstrong, George D.
Bates, Frederick W.
James, A. Ethel
Huntley, Herbert
MacKenzie, John M.
Stanton, Mary C.

2. IN THE ORDINARY COURSE.

(In order of merit).

Class I.—Cherry, Wilbur H.
Gould, E. M. Lawrence
Heward, Chilion G.

Class II.—Davis, Charles W.
Armstrong, Louise A.
MacDonald, Dalraddy L.
Ellis, Robert W.
Macaulay, Esther E. } equal.
Macaulay, Gertrude F }
Parker, David W.
Kydd, Helen M.

McDougall, E. Stuart
Hayden, Amy J.
Wisdom, Jennie B.
Walker, Peter A.
Cushing, Dougall
Allan, John A.
Belyea, John C.

Class III.—Cameron, David A.
Cliff, H. Welsford
MacQueen, Bessie
Mowatt, Edith M.
MacMillan, William
Coates, Evelyn
Massy, Muriel A.
Williams, Clara L.
Cattanach, F. Alison
Bridgette, Sam J.
McCann, Walter E.
Meldrum, Herbert T.
Baylis, Inez M. (*Aegrotat*)

DOUBLE COURSE IN ARTS AND LAW.

Class II.—Ballon, Isidore.

DOUBLE COURSE IN ARTS AND APPLIED SCIENCE.

Class I.—Price, Thomas E.
Class III.—Pease, E. Raymond

PASSED FOR THE DEGREE OF B.Sc. (IN ARTS).

Class I.—Simpson, James C.

FACULTY OF APPLIED SCIENCE.

PASSED FOR THE DEGREE OF BACHELOR OF ARCHITECTURE.

(In order of merit).

Shorey, Harold Edgar.
Robb, Frederick Garfield.

PASSED FOR THE DEGREE OF BACHELOR OF SCIENCE.

(In order of Merit.)

CHEMISTRY.

Wilson, Thomas Albert
Elliot, Percy Harris
Spafford, Arthus Lucius

IN CIVIL ENGINEERING.

Bell, George Edward } equal.
Lamb, Henry Melbourne }
Black, Hiram Johnson
Miller, Henry Belfrage
Gamble, Clark William
Harrington, Conrad Dawson
Racey, Percy Wise
Brown, William Godfrey Banks
McCallum, George Hugh
Wilson, William Seath
Mathieson, Donald Milner
Wesland, Clarence Robert
Beaton, Norman H. } equal.
Davis, George Houg }
Otty, George Nugent } equal.
Wheaton, Isaac Gilbert }
Hay, Norman Kyle
McDonald, Harold French
Barclay, Malcolm Drummond

(*Unranked.*)

Slater, Nicholas James

ELECTRICAL ENGINEERING.

Shearer, George Wyman
Woodyatt, James Blain
Brown, Samuel Barton
Griffin, Frank Frederick
Wright, George Roy
Hargrave, William Howard
McCuaig, Stuart James
Hall, Gerald Russell
Macdonald, Robert Ross
Engel, Nathan Louis
Ross, Douglas Gooderham
Haskell, Ludlow St. John
Macdonald, William Malcolm Bell
Tupper, Frederick McDonald
Williams, Frederick Harold
Ewens, William Sydney

(*Unranked.*)

Black, Douglas E.
Burr, Edmund Godfrey
Little, William Dee (*Aegrotat*)

MECHANICAL ENGINEERING.

Gray, James Seton.
Riddell, Arthur Gourlay
Munn, David Walter

Foster, Henry Stuart
Whitcomb, Frank Olin
Hall, Norman McLeod
Killiam, Lawrence
Hepburn, Maurice Gotch
Benedict, Elmore McLellan

METALLURY.

Lathe, Frank Eugene
Brown, William Gordon
Dickson, Wallace

MINING ENGINEERING.

Strangways, Henry Fox
Sharp, Alphonso Lester
Patterson, Raymond Harvey
Haughton, Harold Moffat Swire
Macaulay, Rupert M.
Drummond, George Drysdale

FACULTY OF LAW

PASSED FOR THE DEGREE OF B.C.L.

(In order of merit).

Walker, J. Harold E., B.A. (McGill)
Girouard, J. Arthur
Dillon, Joseph H.
Creelman, John J., B.A. (Toronto)
Parkins, Edgar R., B.A. (McGill)
Tritt, Sam. Gerald
Downes, Patrick J., B.A. (Laval

THE NAMES OF THE GRADUATES IN MEDICINE WILL BE FOUND IN THE MEDICAL CALENDAR.

GRADUATE SCHOOL.

ADMITTED B.Sc., AD EUNDEM.

Francis Charles Harrison, B.S.A. (Toronto).

ADMITTED TO THE DEGREE OF MASTER OF ARTS.

Edith Mabel East, B.A.
John George Hindley, B.A.
Simon Kirsch, B.A.
Mary Frances Pearson, B.A.
Alexis Désiré Pelletier, B.A.
Horace Greeley Rice, B.A.

ADMITTED TO THE DEGREE OF MASTER OF SCIENCE.

Francis Charles Harrison, B.S.A. (Toronto), B.Sc.
John Buicke Harvey, B.Sc. Civ.
Godfrey Hugh Brunner, B.Sc.
David Sclater Lewis, B.Sc.
Ruth Delia Lyman, B.A.
Arthur Frederick Robertson, B.Sc. Chem

OTHER DEGREES.

ADMITTED TO THE DEGREE OF DOCTOR OF SCIENCE.

Henry Mark Ami, M.A., D.Sc. (Queen's)
Samuel Fortier, MaE.

ADMITTED TO THE DFGREE OF DOCTOR OF LAWS.

Thomas Clifford Allbutt, M.D., F.R.S.
Sir Thomas Barlow, K.C.V.O., F.R.S.
Sir William Henry Broadbent, Bart., K.C.V.O., F.R.S.
Sir Victor Alexander Haden Horsley, F.R.S.
Alfred Kleczkowski, Esq.
Ernest Rutherford, M.A., D.Sc. (University of New Zealand), F.R.S.

Scholarships and Exhibitions.

SESSION 1906-1907.

FACULTY OF ARTS.

I. Third Year Scholarships. (Tenable for two years).

Names of Scholars.	Subjects of Examination.	Annual Value.
Shaw, Norman A.	Chemistry and Physics	$150.00
McClughan, E.	English and another Language	150.00
Logan, H. T.	Latin or Greek and another Language	150.00
Tyndale, O. S.	French or German and another Language	150.00
Boyle, G. M.	Mathematics and Physics	150.00
Gillis, N. R.	" "	150.00
Smith, Annie	Latin or Greek and another Language	150.00 (Tenable for 1 year).

II. Second Year Exhibitions. (Tenable for one year).

Names of Exhibitioners.	Subjects of Examination.	Annual Value.
Estabrooks, F. C.	English, Greek and Latin	$150.00
Hatcher, A. G.	Mathematics, Physics and Latin.	150.00
Schafheitlin, G.	French, German and Physics	150.00
Meldrum, W. B.	Mathematics, Physics and English	100.00
Murphy, A. W.	English, Latin and Greek.	100.00
Townsend, C. L.	French, German and Latin	100.00

III. First Year Exhibitions. (Tenable for one year).

Names of Exhibitioners.	Annual Value.
Ross, Stanley Graham, (Hamil on Coll. Inst.) Dundas, Ont.	$300.00
Mabon, John Bertram, (Lachute Academy), Lachute, Que	300.00
Plaisted, Lilian Dorothy Wright, (Dunham Ladies' College), Dunham, Que.	300 00
Hutchinson, Samuel Arthur, (Westmount Academy), Westmount, Que.	150.00
Seymour, Louise Elsie, (Montreal High School for Girls), Montreal, Que.	150 00
Elder, Aubrey Huntingdon, (Crichton School), Westmount, Que.	150.00
Bennetts, Edith Eleanor, (Ottawa Collegiate Institute), Ottawa, Ont.	150.00
Meagher, Norbert J., (Ottawa Collegiate Institute), Ottawa, Ont.	125.00
McKinnon, Annie Margaret, (Inverness Academy), Kimberley, Que.	125.00
Macnaughton, Gordon F., (Montreal High School), Montreal, Que.	125.00
DeSola, Bram Chas., (Montreal High School), Montreal, Que	125.00
Lawlor, Emma G., (Westmount Academy), Westmount, Que.	100.00
Papineau-Couture, Réné, (Montreal High School), Montreal, Que	100.00
Murray, George E., (Montreal High School), Montreal, Que.	100.66
Johnston, Charlotte L., (Danville Academy) Kingsey Falls, Que.	*200.00
Cockfield, Harry R., (Montreal High School), Montreal, Que.	100.09
Lamb, Elvie D., (Granby High School), Granby, Que.	*100.00

* Conditional on residence in the Royal Victoria College.

FACULTY OF APPLIED SCIENCE.

Exhibitions and Prizes.

TO STUDENTS ENTERING THE FOURTH YEAR

Bell, G. E., British Association Exhibition, value $50.00
Lamb, H. M., British Association Prize, value $25.00.

TO STUDENTS ENTERING THE THIRD YEAR.

Guillet, G. L., First Mathematical Prize, value $25.00
Herbert, W. H., Second Mathematical Prize, value $15.00.
Parham, J. B., Third Mathematical Prize, value $10.00.

TO STUDENTS ENTERING THE SECOND YEAR.

Campbell, W. B., Scott Exhibition, value $50.00.
Dennis, W. M., Scott Prize, value $25.00.

TO STUDENTS ENTERING THE FIRST YEAR.

Cowles, Eugene P., Sir William Dawson Exhibition, value $60.00.

Register of Students.

SESSION 1906–1907.

FACULTY OF ARTS.

FIRST YEAR.

(McGill College.)

NAME.	HOME ADDRESS.	WHERE LAST EDUCATED.
*Allnutt, Frank B.		
Anderson, James C.	Ottawa, Ont	Ottawa Collegiate Institute.
*Argue, Robert F.	Stittsville, Ont	
‡Armstrong, John D.	Ottawa, Ont	Ottawa Collegiate Institute.
*Armstrong, Thomas E.		Shawville High School.
†Beaton, Malcolm	Moose Creek, Ont.	Private Tuition.
†Booth, Walter P.	Lyn, Ont.	Wesleyan Theo. College.
*Bresnan, James A.	Brockville, Ont.	Brockville Collegiate Inst.
*Brosseau, Louis P.	St. Johns, P.Q.	Ottawa University.
†Buchan, Stuart	Montreal	Montreal High School.
†Busk, William D.	Nelson, B.C.	Victoria Collegiate School.
Cassels, W. L. Lyttleton	Ottawa, Ont.	Ottawa Collegiate Institute.
Christie, A. Stanley	Apple Hill, Ont.	Alexandria High School.
Cockfield, Harry R.	Montreal	Montreal High School.
*Collier, Harold F.	Longueuil, P.Q.	Private Tuition.
Couture, Réné Papineau.	Montreal	Montreal High School.
Cox, William F.	Prince Albert, Sask.	Wesleyan Theo, College.
†Danby, Fred W.	North Augusta, Ont.	Kemptville High School.
‡†Davies, Andrew P.	Hull, P. Q.	Ottawa Collegiate Institute.
*Daw, Francis P.	Fort Covington, N.Y.	Montreal High School.
DeSola, Bram C.	Montreal.	Montreal High School.
‡Digby, Reginald W.	Brantford, Ont.	Trinity College, Port Hope.
Douglas, H. Townley.	Ottawa, Ont.	
*Drury, Archibald.	Montreal, Q.	
Dyas, A. Douglas.	Parrsboro, N. S.	Boston Coll. of Phy. and Surgeons.
Elder, Aubrey H.	Westmount, Q.	Crichton School.
†Emo, William.	Montreal, Q.	
Fletcher, Gilbert H.	Melbourne, Ont.	Glencoe High School.
*Fraser, Hugh N.	Ottawa, Ont.	Ashbury College, Ottawa.
*Fulcher, John G.	Whites Station, P.Q.	Wesleyan Theo. College

*Partial Student.
†Conditioned Student.
‡Double Course Student.

Name.	Home Address.	Where Last Educated.
Gemmill, Herbert S.	Ottawa, Ont.	Ottawa Collegiate Institute.
Gillmor, Dan P.	Westmount, Q.	
†Godwin, John L.	Ottawa, Ont.	Ottawa Collegiate Institute.
Gordon, J. Thom.	Grantley, Ont.	Morrisburg Coll. Institute.
*Gregor, John.	Niagara Falls, Ont.	Greeness Public School.
Grier, Archibald E.	Montreal, Q.	Montreal High School.
*Halliday, Charles I.	Pakenham, Ont.	Agricultural College, Guelph
*Hanratty, C. James.	Montreal, Q.	
*Hastings, John O.	Montreal, Q.	Montreal High School.
Hébert, Albert J. B.	Shawenegan Falls, Q.	Stanstead College.
†Heneker, Harry T.	St. Anne de Bellevue, Q.	
*Hollingsworth, William,	Mascouche Rapids, Q.	
*Howe, Joseph B.	Athens, Ont.	Athens High School.
Hutchinson, Samuel A.	Westmount, Q.	Westmount Academy.
Hyman, J. Stanley.	Westmount, Q.	Private Tuition.
Johnston, Irwin D.	Montreal, Q.	Collegiate Inst., Kingston, Ont.
‡Keith, Claude H.	New Glasgow, N. S.	New Glasgow High School.
Kendall, Newton.	Ottawa, Ont.	Ottawa Collegiate Institute,
Kimball, Harold B.	Enosburg Falls, Vt.	Feller Inst., Grand Ligne, Q.
*Knowles, Robert C.	Bedford, Eng.	Bedford Grammar School.
‡Kolber, Joseph.	Montreal, Q.	Montreal High School.
‡Livinson, Jacob A.	Montreal, Q.	Montreal High School.
*Loder, Eric R.	Harpenden, Eng.	Seafield College.
*McCuaig, Donald A.	Laggan, Ont.	
*MacDonald, Alex B.	Athelstan, Q.	Huntingdon Academy.
MacDonald, Murdo.	Stornoway, Q.	Inverness Academy.
†Macdonald, Norman.	Ailsa Craig, Ont.	Tigharry School, Scotland.
†McGannon, Edward M.	Brockville, Ont.	Brockville Coll. Institute.
†McKay, Allan G.	Montreal, Q.	Montreal High School.
*McKay, Henry J.	Brandon, Man.	Brandon Academy.
McKenzie, Aeneas J.	Embro, Ont.	Ingersoll Coll. Institute.
McLachlin, John H.	Arnprior, Ont.	St. Andrew's College
*MacLaren, Walter A.	Montreal.	Montreal High School.
McLennan, Hugh.	Sydney, N.S.	
McMurtry, Alexander O.	Montreal, Q.	
*McNaught, Thomas,	Montreal, Q.	Private Tuition.
Macnaughton, Gordon F.	Montreal, Q.	Montreal High School.
*MacTavish, Newton M.	Montreal, Q.	
Mabon, J. Bertram.	Montreal, Q.	Lachute, Academy.
*Mander, Lionel H.	Wolverhampton, Eng.	Loretto School, Scotland.
Mariotti, Humbert C.G.	Montreal, Q.	Montreal High School.
Meagher, Norbert J.	Ottawa, Ont.	Ottawa Collegiate Institute.
*Morgan, Theodore G.	Maisonneuve, Q.	Hotchkiss School.
*Mowforth, Herbert H.	London, Eng.	Private Tuition.
Murray, George E.	Ottawa, Ont.	Montreal High School.
Oughtred, S. Norris.	Montreal, Q.	Montreal High School.
Pelletier, Herman E.	Fulford, Q.	Diocesan Theo. College.
†Pengelley, Walter G.	Balaclava, Jamaica.	Denstone College, England
*Pinsler, Jack.	Montreal, Q.	Shortell's Academy.
Pomeroy, D. Webster.	Guilds, Ont.	Wardsville High School.
Powles, Percival S.C.	Montreal, Q.	Montreal High School.

*Partial Student.
†Conditioned Student.
‡Double Course Student.

NAME.	HOME ADDRESS.	WHERE LAST EDUCATED.
Prentice, Norman A.	Montreal, Q.	Crichton School.
‡Ramsay, Irving D.	Waskada, Man.	Manitoba College.
Redpath, Ronald F.	Montreal, Q.	Loretto School, Scotland.
*Reid, A rthur W.	Ottawa, Ont.	London Collegiate Inst.
*Reid, Rupert H.	Sault Ste. Marie, Ont.	Sault Ste. Marie H. S.
Ross, S. Graham.	Dundas, Ont.	Hamilton Collegiate Inst.
*Runnells, George W.	Granby, Q.	
Sargent, Albert E.	Westmount, Q.	Feller Inst., Grand Ligne, Q.
*Shaughnessy, Alfred T.	Montreal, Q.	Private Tuition.
*Simpson, Ernest L.	Montreal, Q.	Private Tuition.
*Sinclair, Arthur J. K.	Kirkhill.	
‡Solomon, Edward.	Montreal, Q.	Montreal High School.
Stevens, Gardner G.	Stanstead, Q.	Stanstead College.
Sutherland, Francis C.	Richmond, Q.	St. Francis College.
*Thomson, Alex K.	Coatbridge, Scotland.	Coatbridge Tech. School.
‡Thomson, Allen E.	Coaticook, Q.	Coaticook Academy.
*Thorne, Oliver.	Montreal, Q.	Diocesan Theo. College
Tippet, Richard S.	Westmount, Q.	Diocesan College.
*Tremblay, Albert.	Quebec, Q.	Ottawa College.
*Vincent, Robert P.	Quebec, Q.	Quebec High School,
Watson, Hugh M.	Montreal, Q.	High School, Montreal.
Watts, Ernest E.	Montreal, Q.	High School, Montreal.
*Whitehall, Arthur S.	London, Ont.	
Wilson, Percy D.	Ottawa, Ont.	Ottawa Collegiate Institute.
†Witton, Harry C. D.	Cheltenham, Eng.	Grammar School, Andover
*Young, Douglas M.	Lachine, Q.	Lachine Academy.

(Royal Victoria College.)

Badgley, E. Ruth.	Montreal.	Montreal High School.
Baylis, Dora C.	Montreal, Q.	Montreal High School.
Bennetts, Edith E.	Ottawa, Ont.	Ottawa Collegiate Institute
Blampin, Caroline.	South Roxton, Q.	McGill Normal School.
Brower, Margaret N.	Philadelphia, Pa.	Francis Steitler School.
Brownlee, Hazel.	Montreal, Q.	Trafalgar Institute.
*Bushell, Dorothy V.	Westmount, Q.	Dunham Ladies College.
Carr, Robena M.	Trout River, Q.	Huntingdon Academy.
*Cousins, Margaret V.	Westmount, Q.	
Cruickshank, Eleanor J.	Windsor, Ont.	Coll. Institute, Windsor.
*Davis, Gladys, B.	Montreal, Q.	Trafalgar Institute.
*Fenwick, Beryl M.	Montreal, Q.	Montreal High School.
*Heney, Irene S.	Westmount, Q.	Westmount Academy.
Johnston, Charlotte L.	Kingsey Falls, Q.	Danville Academy.
*Kennedy, Jean M.	Montreal, Q.	King's Hall, Compton, Q.
*(2)Kohl, Edith M.	Montreal, Q.	Trafalgar Institute.
Lamb, Elvie D. M.	Granby, Q.	Granby High School.
*Lang, E. Marion.	Westmount, Q.	Westmount Academy.
Lawlor, Emma G.	Westmount, Q.	Westmount Academy.
*Levy, Edith E.	Montreal, Q.	Montreal High School.

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* Partial Student.

† Conditioned Student.

‡ Double Course Student.

The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

Name.	Home Address.	Where Last Educated.
*Lilly, Edythe .E	Montreal, Q.	Miss Symmers' & Miss Smith's.
†McDonald, Marian	Montreal, Q.	Trafalgar Institute.
McEwen, Helen F	Carleton Place, Ont.	High School, Carleton Place
†Mackay, D. Kaireen	Renfrew, Ont.	Renfrew Collegiate Inst.
Mackay, Joan C	Renfrew, Ont.	Renfrew Collegiate Inst.
McKinnon, Annie M.	Kimberley, Q.	Inverness Academy.
MacKinnon, Marion G.	Seattle, Wash.	Seattle High School,
*McNally, May	Montreal, Q.	Villa Maria Convent.
Miller, Clare	San Luis Potosi, Mex.	Erasmus Hall High School
†Miller, Margaret I.	Frankford, Ont.	Trafalgar Institute.
Mount, Beatrice R.	Westmount, Q.	Westmount Academy.
Murchison, Vivian G.	Montreal Annex, Q.	Montreal High School.
Newell, Annie B	Montreal, Q.	Montreal High School.
*Payette, Juliette C.	Montreal, Q.	Private Tuition.
Plaisted, Lilian D. W.	Dunham, Q.	Dunham Ladies College
Ramsey, M. Ethel G.	Quebec, Q.	McGill Normal School.
*Reinhardt, Grace A.	Montreal, Q.	Montreal High School.
*Rodger, Isobel M	Westmount, Q.	Trafalgar Institute.
Rosenberg, Hannah N.	Montreal, Q.	Montreal High School.
Seymour, Louise E.	Montreal, Q.	Montreal High School.
*Stroud, Helen H	Montreal, Q.	Trafalgar Institute.
Taylor, Margaret	Montreal West, Q.	Montreal High School.
*Trenholme, Geraldine I.M.	Montreal West, Q.	Dunham Ladies' College.
*Trenholme, Katherine T.	Westmount, Q.	Trafalgar Institute.
Van Vliet, Leonora.	Lacolle, Q.	Huntingdon Academy.
Williams, Marion F.	Cowansville, Q.	Dunham Ladies College.
†Younger, Lillian F.	Montreal, Q.	Montreal High School.

Second Year.

(*McGill College.*)

Name.	Home Address.
Archibald, Kenneth	Montreal, Q.
*Beaton, John M	North Sydney, N.S.
Bole, Thomas H	Pembroke, Ont.
*Boyd, Samuel W	Metcalfe, Ont.
*Brownlee, J. J. Ernest	North Gower, Ont.
Bruneau, I Edgar	Montreal, Q.
Cameron, Donald R	Ottawa, Ont.
*Campbell, M. A	Paisley, Ont.
Canegata, David C	Christiansted, D.W.I.
Carey, William V	Hamilton, Ont.
*Carter, Charles H	Los Angeles, Cal.
Cheesbrough, Hilton S	Westmount, Q.
‡Clouston, Howard R	Huntingdon, Q.
Corbett, Edward A	Rockburn, Q.
*Cranston, W. T	Guelph, Ont.
Cushing, Charles, Jr	Montreal, Q.
*David, Romeo	Hull, Q.
‖Daw, Herbert B	Hamilton, Ont.

*Partial Student.
†Conditioned Student.
‡Double Course Student.
‖Conditioned Undergraduate.

NAME.	HOME ADDRESS.
Dennison, Lawrence G.	Westmount, Q.
Drummond, Guy M.	Montreal, Q.
*Dustin, George.	Gananoque, Ont.
Fisher, Roswell, E.	Montreal, Q.
Fleet, C. A. Robertson.	Montreal, Q.
*Gale, William H.	Ormstown, Q.
‡Geggie, Harold J. G.	Beauport, Q.
‡Gliddon, William O.	Ottawa, Ont
Gordon, Walter H.	Montreal, Q.
*Gray, Edwin H., B. A.	Montreal West, Q.
Hale, Charles A.	Granby, Q..
Hanson, Charles S.	Montreal, Q.
Harvey, Charles H.	Montreal, Q.....
Hatcher, Albert G.	Bonavista, Nfld.
Hawkins, Stuart S.	Montreal, Q.
Hindley, Wilbur W.	Fergus, Ont.
LeMesurier, C. Stuart.	Montreal, Q.
Lyman, John G.	Montreal, Q...
*(3)McGougan, Alex G.	Glencoe, Ont.
*Mackintosh, William.	Glasgow, Scotland.
MacKenzie, James A.	Kirk Hill, Ont.
‖McMahon, Edward G.	Ottawa, Ont.
McNeill, John T.	Elmsdale, P. E.I..
‡Mavety, LeRoy.	Montreal, Q.
Meldrum, W. Buell.	Hull, Q.
*Miller, J. Alexander.	Sutton Jct, Q
Nicholson, Daniel T.	Charlottetown, P.E.I.
*Nicholson, Donald.	Lucknow, Ont.
Oliver, Stuart E.	Quebec, Que.
Packard, Mortimer L.	Westmount, Q.
Pedley, Hugh S.	Montreal, Q.
*Pitt, Edward A.	Trinidad, W. I.
Plimsoll, A. Reginald W.	Montreal, Q.
Pringle, John A.	Athelstan, Q.
*Raynes, Walter L.	St. John, N.B.
Rennoldson, David B.	Montreal, Q.
Richardson, John A.	Montreal, Q.
*Rogers, David B.	Watford, Ont.
Ross, Wallace G.	Bedeque, P.E.I.
‡Shannon, W. Lloyd.	Vancouver, B.C.
*Shelley, Charles W.	Montreal, Q.
*Simpson, Samuel T.	Harbor Grace, Nfld.
Smith, C. H. V.	Knowlton, Q,
Stanton, Frank H.	Montreal, Q
Surprenant, Thomas S. H.	Lacolle, Q.
Townsend, Charles L.	Montreal, Q.
Tremblay, J. Adelard.	Jonquieres, Q.
Waterston, Douglas.	Westmount, Q.
Wilson, Thomas E.	Langley Prairie,B.C.
‖Wodehouse, Reginald.	Colchester, Eng.
*(3) Woods, W. Arno.	Versailles, Mo.

*Partial Student. ‡Double Course Student.
‖Conditioned Undergraduate.

The figure (2), (3) or (4), prefixed to a name indicates that the student takes a class in the corresponding year as well as in that where the name is found.

Name.	Home Address.
*Anderson, Georgie A.	Indian Head, Sask.
Brown, Theodora W.	Westmount, Q.
*(3) Dodge, Lucie B.	Montreal, Q.
Elliott, Edith E.	Westmount, Q.
Estabrooks, Florence C.	St. John, West, N.B.
‖Gray, Annie R.	Pembroke, Ont.
*Henderson, Ida J.	Montreal, Q.
‖Henry, Margaret P.M.	Tamworth, Ont.
McDonald, Jessie	Montreal ,Q.
*McGibbon, Mary H.	Montreal, Q.
Massé, Alice	Grande Ligne, Q.
Mitchell, Ada L.	Montreal, Q.
‖Munn, Eva J.	Montreal, Q.
Murphy, A. Winnifred	Montreal, Q.
Norris, Ruby. A.	Westmount, Q.
Schafheitlin, Gertrud	Montreal, Q.
Slattery, Annie	Port Morien, C.B.
*Taylor, Gladys, H.	Westmount, Q.
Telfer, Vera M.	Nicolet Falls, Q.
Vipond, Florence M.	Hudson, Q.
Willis, F. Dorothy	Port Hope, Ont.
‖Wilson. Florence M.	Ottawa, Ont

(*Royal Victoria College.*)

Third Year.

(*McGill College.*)

Auchinleck, Gilbert G.	St. John's, B.W.I.
‡Ayer, Kenneth R.	Westmount, Q.
*Boucher, Joseph G.	Campbellton, N.B.
Brooks, Murray G.	Indian Head, Sask.
Chandler, Edward F.	Montreal, Q.
Creswell, Harris J.	Lachute, Q
*Duncan, James S.	Mt. Forest, Ont.
‡Elliott, Robert	East Clifton, Q.
Emerson, John	Vancouver, B.C.
Feiczeweicz, Louis	Quebec, Q
Fineberg, Nathaniel S.	Montreal, Q.
Gillis, Norman R.	Hartsville, P.E.I.
*Gouin, Abraham	Hull, Q.
Greenshields, E. J. Moray	Montreal, Q.
Hastings, William R.	Montreal, Q.
Hawkins, Frank E.	Montreal, Q.
‡‖Henry, Robert A. C.	Calgary ,Alta.
Isherwood, Percy	Southport, Eng.
Kingman, Abner	Montreal, Q.
Lindsay, Sydenham B.	Montreal, Q.
Logan, Henry T.	Eburne, B.C.
‡McBurney, Albert	Sawyerville, Q.
MacDougall, William R.	Tatehurst, Q.

‖Conditioned Undergraduate.
‡Double Course Student.
*Partial Student.

NAME.	HOME ADDRESS.
MacLean, Herbert B	Pictou, N.S.
McQueen, George R	Montreal, Q.
*Maude, John W. A	London, Eng.
Paterson, E. Russell	Montreal, Q.
Patrick, Frank A	Montreal, Q.
Penny, Arthur G	Montreal, Q
Ramsey, George A. S	Quebec, Q.
Rice, Emery L	New Durham, Ont.
Shanks, Walter R. L	Fitchburg, Mass.
Shaw, Albert N	Montreal, Q.
‡Simpson, Alan C	Montreal, Q.
Steedman, William F	Montreal, Q
Stewart, Robert C	Quebec, Q.
Stockwell, Ralph F	Danville, Q.
Timberlake, Ralph M	Montreal South, Q.
Tyndale, Orville S	Montreal, Q.
Waterston, Edward J	Westmount, Q.
Williams, Charles E	Winnipeg, Man.
Yates, Arthur	Vancouver, B.C.

(*Royal Victoria College.*)

Bouchard, Theodora C	Montreal, Q.
*Bovey, Constance	Montreal, Q.
Boyle, Gertrude M	Toronto, Ont.
*Creelman, Marion D	Montreal, Q.
Dolbel, Amy A	Westmount, Q.
*Fraser, Amy B	Montreal, Q.
Libby, Ruth E	Cassville, Q.
McClughan, Ellen	Langley, B.C.
Macdiarmid, Katie	Montreal, Q.
MacKeen, Anna M	Glace Bay, N.S.
*McLeod, Annie	Montreal, Q.
Macnaughton, Ariel M	Montreal, Q.
Plaisted, Gertrude M	Dunham, Q.
Ross, Lilia I	Dundas, Ont.
Sauvalle, Germaine H	Montreal, Q.
Smillie, .E Arma	Westmount, Q.
Smith, Annie	Montreal, Q.
*(4) Weir, Beatrice	Montreal, Q.
Younger, Marjorie D	Montreal, Q

FOURTH YEAR.

(*McGill College.*)

Allan, John A	Aubrey, Q.
Armstrong, George D	Ottawa South, Ont.
‡Auld, Frederick M	Covehead, P.E.I.
‡Ballon, David H	Montreal, Q.
‡Ballon, Isidore	Montreal, Q.

*Partial Student.

‡Double Course Student.

The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

NAME.	HOME ADDRESS.
Bates, Frederick W.	Montreal, Q.
Belyea, John C.	St. John, N.B.
Bridgette, Samuel J.	Sawyerville ,Q,
Cameron, David A.	Dewittville, Q.
Cattanach, Alison.	North Lancaster,Ont.
Cherry, Wilbur H.	Toledo, Ohio.
Cliff, H. Welsford.	Montreal, Q
Cushing, Dougall.	Montreal, Q.
Davis, Charles W.	Montreal, Q.
‡Downey, James J. C.	Brockville, Ont.
Ellis, Robert W.	Vancouver, B. C.
Gould, E. M. Lawrence.	Montreal, Q.
Harrison, Ralph D.	Hontreal, Q.
Heward, Chilion G.	Montreal, Q.
Huntley, Herbert.	Vernon River Bridge, P. E. I.
‡McCallum, John S.	Smith's Falls, Ont.
McCallum, Orick B.	Montreal, Q.
McCann, Walter E.	Aylwin, Q.
MacDonald, Dalraddy L.	Montreal, Q.
McDougall, E. Stuart.	Westmount, Q.
MacKenzie, John M.	Hartsville, P. E. I.
Macmillan, William.	Montague, P. E. I.
‖Meldrum, Herbert T.	Hull, Que.
Parker, David W.	Bedford, Q.
Parsons, Howard G.	Montreal, Q.
Penny, E. Goff T.	Montreal, Q.
‡Price, Thomas E.	Vancouver, B.C.
‡Rider, Ezra B.	Fitch Bay, Q.
Simpson, James C.	Montreal, Q.
Swift, Sherman C.	Ridgeway, Pa.
Vincent, Irving.	St. Armand Centre,Q.
Walker, Peter A.	Maisonneuve, Q.
‡Wood, Harold W.	St. Johns, Q.

(Royal Victoria College.)

Armstrong, Louise F.	Montreal, Q.
Baylis, Inez M.	Montreal, Q.
Cheesbrough, Charlotte M.	Westmount, Q.
Coates, Evelyn.	Amherst, N. S.
Couture, Louise I.	Montreal, Q.
Crawford, Emily C.	Montreal, Q.
Eaton, Mary J.	Montreal, Q.
*Fleet, Isabella R.	Montreal, Q.
*Fleet, Jane.	Montreal, Q.
Hayden, Amy J.	Montreal, Q.
Huxtable, Maggie.	Montreal. Q...
James, A Ethel.	Montreal, Q.
King, L. Mabel.	Montreal, Q.
Kydd, Helen M.	Montreal, Q.
Laverock, Lily J.	Vancouver, B. C.
*Levinson, Myrtie V.	Montreal, Q.

*Partial Student.
‖Conditioned Undergraduate.
‡Double Course Student.

Name.	Home Address.
Macaulay, Esther E	Westmount, Q.
Macaulay, Gertrude F	Westmount, Q.
MacQueen, Bessie	New Glasgow, N.S.
Masson, Marian	Ottawa, Ont.
Massy, Muriel A	Summerside, P. E. I.
Mowatt, Edith M	Montreal, Q.
Stanton, Mary C	Montreal, Q.
Williams, Clara	Knowlton, Q.
Wisdom, Jennie, B	St. John, N.B.

Partial Students Taking Special Courses for Teachers in Arts.

Archibald, Henry F.
Barr, Harriett
Bottome, Georgina O
Bremner, Jennie M.
Brittain, Mabel A.
Call, Frank O.
Cayford, Gertude B.
Collard, Rose
Cooper, Francis M.
Coristine, Mary S.
Dennis, Matilda S
Fawcett, Rose D.
Gillean, A. Muriel
Grant, Isabelle
Grant, Maye
Greig, Nettie T.
Halpenny, W. T.
Idler, May, B. A.
Janes, Ada D.
Janes, Agnes S.
Kirkman, Ada
Kirkman, Kate
Lamb, M.
Lewthwaite, Mary G.
Luke, Emily
Macfarlane, Agnes C.
Metcalfe, Mary J.
Mowatt, E. Rae, B. A.
Norris, Amy
Palmer, Jane V.
Patterson, Jean K
Peebles, Mary I.
Ross, Margaret
Shaw, T. Louise
Simpson, Edith P.
Simpson, Mabel K.
Smaill, Edith M.
Warriner, J. Eva
Wilson, A. Muriel, B.A.
Wood ,John
Youtz, Herbert A.

FACULTY OF APPLIED SCIENCE.

First Year.

Name.	Home Address.	Where Last Educated.
Alford, John N.	Belleville, Ont.	Belleville High School.
Archibald, Max. S. E.	Truro, N. S.	Colchester Academy, N. S.
Armstrong, Ives H.	Montreal, Q.	Montreal High School.
*(2) Ash, Ernest C.	Todmorden, Ont.	School of Prac. Sci., Toronto.
†Austin, John C.	Montreal, Q.	St. John's School, Montreal.
‡Ayer, Kenneth R.	Montreal, Q.	Abingdon, School, Montreal.
Barlow, William D.	Montreal, Q.	Shortell's Academy, Montreal.
Barry, Michael J.	Westmount, Que.	Shortell's Academy, Montreal.
*Baylis, Mervyn E.	Montreal. Q'	
Beagley, Thomas G.	Montreal, Q.	Montreal High School.
Bennet, G. Arthur.	New Glasgow, Q.	Stanstead College.
†Bessey, Ezra B. E.	Hull, Q.	Rothesay College, N.B.
†Biggar, Arthur L.	Ottawa, Ont.	Upper Canada Coll., Toronto
†Bisson, Leonard,	Hull, Q.	University of Ottawa.
Blanchard, E. Stirling.	Charlottetown, P.E.I.	Prince of Wales College
†Boudreault, Valmore.	Ottawa, Ont.	La Salle Academy.
*Brosseau, Louis P.	St. Johns, Q.	Ottawa University.
Brown, Osburn N.	Newcastle, N.B.	Normal School, N.B.
Burland, George L.	Ottawa, Ont.	Ridley Coll., St. Catharines.
†Cairns, Morris J.	Montreal, Q.	Montreal High School.
Callander, Delmer W.	Guelph, Ont.	Guelph Collegiate Inst.
Cardinal, Emile.	Montreal, Q.	Shortell's Academy, Montreal.
Carroll, John L.	Gananoque, Ont.	Gananoque High School.
*(2) Chrysler, Philip H.	Ottawa, Ont.	Ashbury College, Ottawa.
Clark, Albert W.G.	Valleyfield, Q.	Gault Inst., Valleyfield.
Cloran, J. Harry.	Westmount, Q.	Hawkesbury High School, Ont.
†Cole, F. Thornton.	Montreal, Q.	
*Collier, Harold F.	Longueuil, Q.	Private Tuition.
*Connolley, William J.	Jamaica, B.W.I.	St. George's College, B.W.I.
Cowles, Eugene P.	Montreal, Q.	Montreal High School.
Cowley, A. Thomas N.	Winnipeg, Man.	St. John's College, Winnipeg.
Cox, John R.	Montreal, Q.	Upper Canada, Coll., Toronto.
†Crockett, Thomas J.	Danville, Q.	Bishop's College School.
†Dakin, Frederick W.	Westmount, Q.	Westmount Academy.
Daubney, Charles B.	Ottawa, Ont.	Ottawa Collegiate Inst.
†Daubney, James E.	Ottawa, Ont.	Ottawa Collegiate Inst.
*Daw, Francis P.	Fort Covington, N.Y.	Montreal High School.
Dawes, Andrew S.	Montreal, Q.	Private Tuition.
†Dawes, Kenneth T.	Lachine, Q.	Abingdon School, Montreal.
Dennis, T. Clinton.	O'Leary Sta., P.E.I.	Prince of Wales College.
†Derrom, Donald L.	Montreal, Q.	Montreal High School.
Dobson, Arthur A.	Fordwich, Ont.	High School, Harriston, Ont.
Donald, Edward D.	Westmount, Q.	Albert College, Belleville.
Dowie, Kenneth W.	Lachine, Q.	Shortell's Academy, Montreal.
Duguid, A. Fortescue.	Aberdeen, Scot.	Fettes College, Edinburgh.

*Partial Student.
†Conditioned Student.
‡Double Course Student.
The figure (2), (3) or (4), prefixed to a name indicates that the student takes a class in the corresponding year as well as in that where the name is found.

Name.	Home Address.	Where Last Educated.
Echenberg, Abraham D.	Sherbrooke, Q.	Sherbrooke, Academy.
Elkins, Robert H. B.	East Orange, N.J.	East Orange High School
Ewart, Douglas. M.	Ottawa South, Ont.	Ottawa Collegiate Institute
Fitzpatrick, Robert Y.	Millsville, N.S.	Pictou Academy, N.S.
Fowler, Frank S.	Winnipeg, Man.	Manitoba College, Winnipeg
Fox, Charles A.	Coaticook, Q.	Stanstead College.
Fraser, Robert J.	Ottawa, Ont.	Ottawa Collegiate Institute.
Fregeau, John H.	Three Rivers, Q.	Stanstead College,
†Gall, Arthur	Montreal, Q.	Shortell's Academy.
*(2) Gardiner, Samuel N.	Chatham, Ont.	Chatham Collegiate Inst.
†Gartshore, W. Moir.	Hamilton, Ont.	Highfield School, Hamilton.
Gemmill, John A.O.	Ottawa, Ont.	Ottawa Collegiate Inst.
Gilchrist, T. Ernest.	Hintonburg, Ont.	Ottawa Collegiate Institute.
Gladman, Victor L.	Lindsay, Ont.	Lindsay Collegiate Inst.
†Goodstone, A. Simon.	Montreal, Q.	Lomberg, Austria.
Guerin, Thomas.	Montreal, Q.	Loyola College, Montreal.
*(2) Halliday, Charles I.	Pakenham, Ont.	Agr. College, Guelph, Ont.
†Hansard, Albert N.	San Juan, Porto Rico.	High School, Ithaca, N.Y.
Hanson, William G.	Westmount, Q.	Trinity Coll., Port Hope, Ont.
Harris, Norman C.	Victoria, Australia.	Scotch College, Melbourne.
Haultain, Alexander G.	Montreal, Q.	St. John's School, Montreal.
†Head, Leslie H.	Rapid City, Man.	
‡Henry, Robert A. C.	Calgary, Alta.	Westmount Academy.
Hollinsed, Richard E. L.	St. John's, Barbados.	The Lodge School, Barbados.
Jackson, Donald A.	Montreal, Q.	Mount St. Louis Institute.
Johnston, Roland C.	Renfrew, Ont.	Renfrew Collegiate Inst.
Jones, Guy C.	Halifax, N.S.	Collegiate School, Windsor, N. S.
*(2) Kelly, William L.	Halifax, N. S.	Dalhousie University.
Kennedy, Frederick W.	Montreal, Q.	Loyola College, Montreal
Kingston, John L.	Ottawa, Ont.	Ottawa Collegiate Institute.
*(2) Knowles, Robert C.	Bedford, England	Bedford Grammar School.
Kohl, George H.	Montreal, Q.	Wykeham House School.
*(2) Leggett, Charles W.	Portland, Ont.	Collegiate Inst., Brockville.
†Legris, Joseph A.	Louiseville, Q.	Ottawa University.
Little, Harold R.	London, Ont.	Upper Canada Coll., Toronto
*Loder, Eric R.	Harpenden, Eng.	Seafield College.
McCammon, John W.	Inverness, Q.	Inverness Academy.
MacDiarmid, Archibald A.	Covey Hill, Q.	Huntingdon Academy.
†Macdonald, J. Harrison.	Claresholm, Alta.	Ottawa University.
McDonell, Frank H.	Cornwall, Ont.	Cornwall High School.
MacFarlane, Robert G.	Huntingdon, Q.	Huntingdon Academy.
McHenry, Morris J.	Toronto Jct., Ont.	Toronto Jct. Coll. Inst'
Mackintosh, Ivan R.	London, Ont.	Private Tuition.
*(2) Mackay, Edward.	Montreal, Q.	Abingdon School, Montreal.
MacLean, Calvin S.	St. John, N.B.	Rothesay College, N.B.
McLeod, Allan C. G.	Montreal, Q.	Montreal High School.
McNab, Lewis G.	Montreal, Q.	Montreal High School.
Macparland, Arthur M. J.	Kingston, Ont.	Upper Canada Coll., Toronto.
†Macrae, John M.	Golden, B.C.	Pictou Academy, N. S.
Magrath, C. Bolton.	Lethbridge, Alta.	Ottawa Collegiate Institute.

*Partial Student. †Conditioned Student.

‡Double Course Student.

The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

NAME.	HOME ADDRESS.	WHERE LAST EDUCATED.
Martin, Douglas A.	Montreal, Q.	Montreal High School.
†Mather, A. Wylie.	New York City.	Private Tuition.
†Mauer, Elias.	Montreal, Q.	Cooper Inst., New York.
Millican, A. Gordon.	St. John, N.B.	St. John High School.
Munro, Keith.	Port Arthur, Ont.	High School, Port Arthur.
†Nares, Basil L.	Winnipeg, Man.	Upper CanadaColl.,Toronto.
Narraway, Athos M.	Ottawa, Ont.	Ottawa Collegiate Institute.
Needham, Robert J.	London, Ont.	London Collegiate Inst.
†O'Keeffe, John E.	New York City.	University of Ottawa.
Paine, Arthur J. C.	Lower Is. Cove, Nfld.	Methodist College,St. John's
Payne, Sydney C.	Ottawa, Ont.	Ottawa Collegiate Inst.
Pearce, Seabury K.	Calgary, Alta.	Trin. Coll.Sch., Port Hope, Ont.
Penney, Edgar.	Carbonear, Nfld.	Meth. Coll., St. John's, Nfld.
*Pinsler, Jack.	Montreal, Q.	Shortell's Academy.
Pope, Maurice A.	Ottawa, Ont.	Ottawa Collegiate Institute.
Porter, Charles G.	Calcutta, India.	Lincoln College,Oxford, Eng.
Powis, Gordon Douglas.	Hamilton, Ont.	Hamilton Collegiate Inst.
Reid, Archibald C.	Winnipeg, Man.	Upper Canada Coll.,Toronto
Reid, Robert A.	Montreal, Q.	Private Tuition.
*Reid, Rupert H.	Sault Ste. Marie, Ont.	Sault Ste.Marie High School
Riendeau, Victor.	Montreal, Q.	Marieville College.
†Robertson, Edgar D.	Ottawa, Ont.	Ottawa Collegiate Institute
Rutherford, John R.	Pictou, N.S.	Pictou Academy.
Ryley, A. St. Clair.	Ottawa, Ont.	Ottawa Collegiate Institute.
†Sclater, Arthur N.	Montreal, Q.	Ridley Coll., St. Catharines, Ont.
*(2) Scott, Oswald H.	Toronto, Ont.	High School, Oshawa, Ont.
Scott, Robert W.	Tylden, S. Africa.	Dale College, S. Africa.
Seath, J. Marshall.	Montreal, Q.	Montreal High School.
‡Simpson, Alan C.	Montreal, Q.	Abingdon School, Montreal.
*Simpson, Ernest L.	Montreal, Q.	Private Tuition.
Skelton, Philip H.	Montreal, Q.	Montreal High School.
Soule, Charles E.	St. Alban's, Vt.	
Sproule, Stanley M.	Montreal, Q.	Montreal High School
†Stark, Rubin.	Montreal, Q.	
Stevenson, John A.	Montreal, Q.	Private Tuition.
Strong, Horace R. F.	Cambria, Q.	Lachute Academy.
Stuart, Alexander G.	Buckingham, Q.	Upper CanadaColl,Toronto.
†Stuart, Charles G.	Truro, N.S.	Truro Academy.
Timberlake, John N.	Gananoque, Ont.	Gananoque High School.
*Tremblay, Albert.	Quebec, Q.	Ottawa College.
Turnbull, Vicars St. L.	Montreal, Q.	Trin. Coll. Sch., Port Hope.
*Vincent, Robert P.	Quebec, Q.	High School, Quebec.
Vinet, J. A. Eugene.	Montreal, Q.	Crichton School, Montreal.
Von Pozer, Charles H.	Aubert Gallion, Q.	Bishop's College School.
Vroom, Harold H.	St. Stephen, N.B.	R.M. College, Kingston
White, J. A. Gordon.	Woodstock, Ont.	Woodstock Collegiate Inst.
†White, Marven.	Wheatley, Ont.	Leamington High School.
Williams, Alfred G.	Buckingham, Q.	Ashbury College, Ottawa.
Williams, F. G. Maxwell.	Bath, Eng.	Winchester College, Eng.
Wyman, John K.	Rockland, Ont.	Rockland High School.
Young, Alexander A.	Selkirk, Man.	Manitoba College, Winnipeg
Young, William L.	Millsville, N.S.	Sch. of Prac. Sci., Toronto.

*Partial Student. †Conditioned Student. ‡Double Course Student.
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SECOND YEAR.

NAME.	HOME ADDRESS.
Allen, Alexander D.	Wallaceburg, Ont.
*(3) (4) Ayre, Charles R.	St. John's, Nfld.
Baillie, Archibald F.	Montreal, Q.
*Baldwin, Harold F.	Baldwin's Mills, Q.
Bambrick, Heber.	Cranbrook, B.C.
Best , William P.	Montreal, Q.
‖Binks, Norbert T.	Ottawa, Ont
‖Black, Maurice W.	Windsor, N.S.
‖Bowman, Alexander I.M.	Ste. Therese, Q.
‖Boyd, Gardiner M.	Bobcaygeon, Ont.
Bregent, Edmund.	Montreal, Q.
*(3) Briegel, Walter O.	Montreal, Q.
Briggs, Arthur F.M.	St. Catharines, Ont.
Bronson, Frederic E.	Ottawa, Ont.
Burbidge, George H.	Ottawa, Ont.
Buttenshaw, Alfred S.	St. Albans, Eng.
‖Byrne, John H.	Ottawa, Ont.
Campbell, William B.	Brockville, Ont.
Cantley, Charles L.	New Glasgow, N.S.
‖Carr, William L.	Trout River, Q.
*(4) Carter, Charles H.	Los Angeles, Cal.
Cate, Carroll.	Sherbrooke, Q.
Cheesbrough, Arthur G.	Westmount, Q.
Cook, Archibald S,	Quebec, Q.
Coulin, Louis A.	Montreal, Q.
*Cutten, A Cassels,	Amherst, N.S.
‖Day, Thomas E.	Parrsboro, N. S.
‖Delgado, Percy G.	Falmouth, Jamaica.
Dennis, W. Melbern.	O'Leary, P.E.I.
‖Descarries, Joseph A.	Lachine, Q.
Dickieson, Arthur L.	Ottawa, Ont.
*(3) Dickson, Garnet H.	Westmount, Q.
Dion, A. Hector,	Ottawa, Ont.
*(3) Downey, James J. C.	Brockville, Ont.
Dowswell, Harry R.	Dutton, Ont.
*Dupuis, Armand.	Montreal, Q.
Dwight, Herbert P.	Picton, Ont.
‖Edwards, Godfrey B.	Ashleworth, Eng.
‖Ekers, Austin.	Montreal, Q.
Farnsworth, C. Albert.	Sawyerville, Q.
Fetherstonhaugh, Harold L.	Montreal, Q.
Ford, Walter S.	Winnipeg, Man.
Fox, Charles H.	Winnipeg, Man.
Fraser, Archibald N.	Coaticook, Q.
Galbraith, William J.	St. Romuald, Q.
‖Gall, Douglas M.	Lachute, Q.
‖Gibb, Roger.	Wimbledon, Eng.
*(3) Gomes, Lawrence F.	St. Johns, B.W.I.

* Partial Student.

‖ Conditioned Undergraduate.

The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

NAME.	HOME ADDRESS.
Goode, John D.	Westmount, Q.
‖Gooding, Winfield U.	Stirling, Barbados
*(3) Grahame, Dallas F.	Montreal, Q.
Graham, Harold M.	New Glasgow, N.S.
Grove, Humphrey S.	London, Eng.
Hague, Owen C. F.	Montreal, Q.
‖Harthan, Hans.	Montreal, Q.
Hilborn, Percy R.	Berlin, Ont.
‖Hudson, George M.	Montreal, Q.
Irwin, John W.	Montreal, Q.
Johnston, Harold S.	Gananoque, Ont.
Kearney, Graham.	Renfrew, Ont.
*Kennedy, Henry C.	Vancouver, B.C.
Kennedy, W. Alan.	Owen Sound, Ont.
Ker, Frederick I.	Montreal, Q.
LaForest, Guy B.	Montreal, Q.
Landry, Wilfred A.	Dorchester, N.B.
Lindsay, Alexander M.	Invercargill, N.Z.
Lomer, Gerald B.	Montreal, Q.
Lumsden, Hugh A.	Ottawa, Ont.
McDougall, J. Cecil.	Montreal, Q.
McKinnon, Kenneth R.	New Glasgow, N.S.
‖McLachlin, Ewen M.	Arnprior, Ont.
*McLachlin, Hugh C.	Arnprior, Ont.
McLean, Douglas L.	Ottawa, Ont.
McNaughton, Andrew G. L.	Moosomin, Sask.
*(3) Manny, David E.	Beauharnois, Q.
Maver, Alexander M.	Montreal, Q.
Menzies, John W.	Ottawa, Ont.
Meyerstein, William C.	London, Eng.
*(3) Millen, Walter H.	Hull, Q.
Mooney, Harry V.	Stardale, Ont.
Morison, Hugh G.	Ormstown, Q.
Nairn, John S.	Truro, N. S.
O'Neill, John J.	Port Colborne, Ont
*Paquet, Alfred.	Hawkesbury, Ont.
*(3) Paulsen, Hans K.	Copenhagen, Denmark.
Poissant, Onesime E.	Montreal, Q.
Porter, Cecil G.	St. John, N.B.
Powell, William H.	Little Harbor, N.S
‡Price, Thomas E.	Vancouver, B.C.
‖Raymond, William, W.	St. John, N.B.
Richardson, Charles E.	St. Mary's, Ont.
‡Rider, Ezra B.	Fitch Bay, Q.
Ritchie, Harold H.	Newcastle, N.B.
Robertson, William S.	Montreal, Q.
†Ross, Allan C.	Ottawa, Ont.
*(3)Russell, Benjamin.	Dartmouth, N.S.

* Partial Student.
† Conditioned Student.
‖ Conditioned Undergraduate.
‡ Double Course Student.

The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

NAME.	HOME ADDRESS.
Sailman, Robert T. H.	Malvern, Jamaica.
‖Sanderson, Charles W.	St. Albans, Eng..
*(3) Scott, W. Ralph.	Napanee, Ont.
*(3) Seely, Roy A.	St. John, N.B.
‖Slingsby, Henry.	Thorpe Underwood Hall, Eng.
Smith, George W.	Montreal, Q.
Soper, Arthur J.	Brockville, Ont.
Stackhouse, Charles W.	Moncton, N.B.
‖Stansfield, Maurice.	Blackburn, Eng.
‖Stevenson, George.	Holton, Q.
Stewart, Leighton,	Summerside, P.E.I.
Stewart, Robert B.	Strath Gartney, P.E.I.
Sutherland, Luther H. D.	Montreal, Q.
‖Tanner, Henry E.	Joliette, Q.
*Taylor, Herbert R.	St. John, N.B.
‖Townsend, C. Stuart.	Wolfville, N.S.
‖Venables, W. R. Bertram,	Cookstown, Ireland.
‖Vessot, Samuel E.	Joliette, Q.
*Virtue, Matthew L.	Woodstock, Ont.
Whitcher, Wilfred C. W.	Ottawa, Ont.
Williamson, William R.	Owen Sound, Ont.
Wilson, Alexander	Montreal, Q.
‖Winslow, Rainsford H.	Fredericton, N.B.
‡Wood, Harold W.	St. Johns, P.Q.
Yuill, Harry H.	Truro, N.S.

THIRD YEAR.

Allan, Marshall G.	Perth, Ont.
‖Archibald, E. M. Brenton.	Halifax, N.S..
Baird, John B.	St. John's, Nfld.
Ballantyne, Thomas B.	Galt, Ont.
*(4) Barclay, Charles H.	St. Paul, Minn.
Bates, Harry E.	Mystic, Conn.
Baylis, Harold A.	Montreal, Q.
‖Bell, Valentine H.	Kingston, Jamaica.
‖Bentley, Wallace, B.A.	Fulford Grange, Eng.
Bradshaw, Walter E.	Moncton, N.B.
‖Brennan, Charles V.	Summerside, P. E. I.
Bristol, Charles F.	Vancouver, B.C.
Brooks, Charles E.	Grafton, Ont.
Callaghan, John C.	Hamilton, Ont.
Cameron, Evan J.	London, Ont.
Cameron, James S.	Stellarton, N.S.
Campbell, Edmund E.	Belmont, P. E. I.
Carmichael, H. Graham.	Montreal, Q.
Carruthers, Kenneth B.	Kingston, Ont.
Christie, Harold R.M.	Ashcroft, B.C.

*Partial Student.
‖Conditioned Undergraduate.
‡Double Course Student.

The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

NAME.	HOME ADDRESS.
Churchill, Cecil	Montreal, Q.
Copp, Walter P	Sackville, N.B.
Coristine, Stanley B	Montreal, Q.
‖Cowan, Claude W	Ottawa, Ont.
Crocker, Stanley J	St. Thomas, Ont.
D'Aeth, John B.	Kingston, Jamaica.
Davies, Harold C	Hull, Q.
Davis, Francis M	Windsor, Ont.
Dawson, Victor E	Ottawa, Ont.
Dick, William J	Nanaimo, B.C.
*(4)Dougherty, Maurice E.	Montreal, Q.
Dowell, H. Lawrence	Londonderry, N.S.
‖Drysdale, Charles W	Montreal, Q.
Eakins, James M	Toronto, Ont.
Eaton, E. Courtland	Montreal, Q.
Emmerson, Robert H	Moncton, N.B.
Estey, J. Royden P	St. John, N.B.
Finlayson, John N	Merigomish, N.S.
‖Forbes, John H	Montreal, Q.
‖Gilmour, Hamilton L	Ottawa, Ont.
‖Goodchild, Ralph H	St, Lambert, Q.
Graham, John R	Ottawa, Ont.
Guillet, George L	Cobourg, Ont.
Hale, E. Chaloner	Lennoxville, Q.
Harding, Winthrop K	Derby Line, Vt.
Harris, Harvey W	Kingston, Jamaica.
Hayes, Albert O	Granby, Q.
Herbert, William H	Ottawa, Ont.
Hodge, Charles A	Birchton, Q.
Holloway, Edward S	Montreal, Q.
Hood, Harry C	Kingston, Surrey, Eng.
Irwin, Robert H	Ottawa, Ont.
‖Kemp, James C	London, Eng.
Kerr, Archibald	Dutton, Ont.
Killam, George	Yarmouth, N.S.
Kingston, Lawrence B	Ottawa, Ont.
Layton, Shirley T	New Glasgow, N.S.
‖Letourneau, Marius	Montreal, Q.
Lighthall, Abram	Vankleek Hill, Ont.
‖Lundy, T. H. D	Brantford, Ont.
*McFee, M. C. Coll, B.A.	Montreal, Q.
‖McGuire, Gordon	Montreal, Q.
*MacKay, George W	New Glasgow, N.S.
MacKay, Robert M	New Glasgow, N.S.
McKnight, Robert C	Owen Sound, Ont.
Martin, G. Ernest	Moncton, N.B.
Mather, William A	Kenora, Ont.
Mayers, Francis L. S	Hastings, Barbados.
Melhuish, Paul	East Sheen,Surrey, Eng.

* Partial Student.

‖ Conditioned Undergraduate.

The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

NAME.	HOME ADDRESS.
*Merrill, Arthur J.	Montreal, Q.
Mohan, Richard T.	Brockville, Ont.
Montague, T. Mortimer	Galt, Ont.
Montgomery, Edgar G.	New Richmond, Q.
‖Moore, William J.	Hyde Park, Vt.
Morrin, Arthur D.	Lachute, Q.
*(4) Morrow, Hugh M.	Halifax, N.S.
Mulock, Redford H.	Winnipeg, Man.
Murphy, William H.	Rochester, N.Y.
Nicolls, Jasper H.H.	Montreal, Q.
Paré, Alphonse A.	White Horse, Yukon.
Parham, John B.	Outremont, Q.
‖Pease, E. Raymond.	Montreal, Q.
Perry, Kenneth M.	Regina, Sask.
*(4) Phillips, Hobart W.	Oskaloosa, Iowa.
Pitts, Gordon McL.	Ottawa, Ont.
Pratt, Austin C.	Ottawa, Ont.
Raphael, Gordon S.	Ottawa, Ont
Read, Herbert, W., B.A.	Sackville, N.B.
Renaud, Bruce G.	Montreal, Q.
*(4) Richards, Edward L.	Port Antonio, Jamaica
Robertson, Gilbert.	Brantford, Ont.
‖Ross, Cecil M	Ottawa, Ont.
Ross, Donald.	Edmonton, Alta.
‖Ruttan, Francis N.	Winnipeg, Man.
‖Saunders, Charles W. M.	Kingston, Jamaica.
‖Scovil, Harry H.	Hampton, N.B.
Shanks, Daniel A.	Howick, Q.
Slavin, Reginald V.	Deseronto, Ont.
Smith, Randolph R.	Montreal, Q.
Spencer, Walter H.	Montreal, Q.
Sproule, Gordon St. G.	Montreal, Q.
‖Stitt, Ormond M.	Ottawa, Ont.
‖Thorne, Harvey.	Dartmouth, N.S.
Turnbull, Kenneth	Montreal, Q.
Vipond, William S	Montreal, Q.
*Werner, Sheldon W.	Elmira, Ont.
Whitton, Corbett F.	Hamilton, Ont.
Whyte, Herbert B.	Ottawa, Ont.
Winslow, Edward S.	Stratford, Ont.
Wood, Alexander C.	Westmount, Q.
‖Younger, Harry R.	Ottawa, Ont.
‖Zimmerman, Herbert G.	Hamilton, Ont.

FOURTH YEAR.

‖Barclay, Malcolm D.	Montreal, Q.
Batchelder, Charles K.	Newport, Vt.
Beaton, Norman H.	St. Catherines, Ont.
Bell, George E.	St. Thomas, Ont.

* Partial Student.
‖ Conditioned Undergraduate.
The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

NAME.	HOME ADDRESS.
‖Benedict, Elmore M.	Brantford, Ont.
*Bergeron, J. Simeon	St. Ferdinand, Q.
Black, Douglas E., B.Sc.	Montreal, Q.
Black, H. Johnson	Amherst, N.S.
‖Brown, Lindsay O.	Metcalfe, Ont.
Brown, S. Barton	Ottawa, Ont
Brown, William G. B.	Quebec, Q.
Brown, William G.	Montreal, Q.
Burr, E. Godfrey	London, Eng.
Canfield, Frederick O.	Woodstock, N.S.
Davis, George H	Gananoque, Ont.
Dibblee, Edmund S.	Woodstock, N.B.
Dickenson, John G.	New York City.
‖Dickson, Wallace	Westmount, Q.
Dougherty, John J.	Sherbrooke, Q.
Drummond, George D.	Midland, Ont.
Elliot, Percy H.	Saskatoon, Sask.
Engel, Nathan L.	Montreal, Q.
Ewens, W. Sydney	Owen Sound, Ont.
Foster, Henry S.	Montreal, Q.
Gamble, Clarke W.	Victoria, B.C.
Gray, J. Seton	Edinburgh, Scot.
Griffin, Frank F.	Winnipeg, Man.
Hall, Gerald R.	Peterboro, Ont.
Hall, Norman M.	Cornwall, Ont.
Hargrave, William H.	Medicine Hat, Alta.
Harrington, Conrad D.	Montreal, Q.
‖Haskell, Ludlow St. J.	Montreal, Q.
‖Haughton, Harold M. S.	Kingston, Jamaica.
‖Hay, Norman K.	Ottawa, Ont.
‖Hepburn, Maurice G.	Dunmore, Eng.
Howe, John P.	Pembroke, Ont.
Killam, Lawrence	Yarmouth, N.S.
Lamb, Henry M.	Montreal, Q.
Lathe, Frank, E.	Lacolle, Q.
Little, William D.	Morden, Man.
McCallum, George H.	Smith's Falls, Ont.
Macaulay, Rupert M.	Scotstown, Q.
McCuaig, Stuart J.	Montreal, Q.
McDonald, Harold F.	Fort Qu'Appelle,Sask.
Macdonald, Robert R.	Hamilton, Ont.
‖Macdonald, W. Malcolm B.	Rammerscales, Scot.
‖McWilliam, Thomas H.	Ford's Mills, N.B.
Macklem, Oliver T.	Toronto, Ont.
Mathieson, Donald M.	St. Mary's, Ont.
‖Maxwell, Lawrence G.	St. Mary's, Ont.
Miller, Harry B.	Montreal, Q.
Munn, D. Walter	Montreal, Q.
Norton, Thomas J.	Montreal, Q.
Otty, George N.	Hampton, N.B.
‖Patterson, Raymond H.	Melbourne, Australia.
‖Pickard, Herbert G.	Exeter, Ont.
Racey, Percy W.	Lennoxville, Q.

* Partial Student.
‖ Conditioned Undergraduate.

NAME.	HOME ADDRESS.
‖Riddell, Arthur G.	Hamilton, Ont
‖Robb, Frederick G.	Montreal, Q.
Ross, Douglas G.	Toronto, Ont.
‖Sharp, A. Lester	Summerside, P.E.I
Shearer, George W.	Westmount, Q.
Shorey, Harold E.	Montreal, Q.
Spafford, Arthur L.	Lennoxville, Q.
*Strangways, H. F.	Hamilton, Bermuda.
Trimingham, James H.	Westmount, Q.
Tupper, Fred. M.	Wyoming, Ont.
Westland, Clarence R.	Midgic, N.B.
‖Wheaton, Isaac G.	Smith's Falls, Ont.
Whitcomb, Frank. O.	East Sherbrooke, Q.
Williams, Frederick H.	Waverly, N.S.
Wilson, Thomas A.	Niagara Falls S., Ont.
Wilson, William S.	Brantford, Ont..
Woodyatt, James B.	Salisbury, N.B
Wright, George R.	

* Partial Student.
‖Conditioned Undergraduate.

FACULTY OF MEDICINE.

First Year.

Name.	Home Address.	Where Last Educated.
Allingham, John H., B.A.	Fairville, N.B.	University of New Brunswick
†Amant, Harry	Chandlerville, Ill.	Ontario Veterinary College.
‡Armstrong, John Douglas.	Ottawa, Ont.	Ottawa Collegiate Institute.
Aronson, Aaron M.	Montreal, Q.	Shortell's Academy, Montreal.
Bancroft, Aubrey G.	Bridgetown, Barbados.	Harrison College.
Bauld, William A.G., B.A.	Halifax, N.S.	University of Dalhousie.
†Beaton, John	Moose Creek, Ont.	Moose Creek School.
Benner, Frank A.	Bayham, Ont.	Aylmer Collegiate Institute.
Black, Vaughan E., B.A.	Amherst, N.S.	University of Mt. Allison.
Boudreau, Frank G.	Farnham Centre, Q.	Lachute Academy.
†Bourne, Wesley	Pollards, Barbados.	The Lodge School, St. John.
Brown, David M.	Motherwell, Scotland.	Brooklyn Evening H.S.
†Campbell, A. D.	Glencoe, Ont.	Glencoe High School.
Campbell, Harold A.	Sherbrooke, Q.	Sherbrooke High School.
Carruthers, Robert S.	P.North Bedeque, P.E.I.	Prince of Wales College.
Champion, Benjamin H.	Summerside, P.E.I.	Prince of Wales College.
Chisholm, Hugh G.	The Harbor, N.S.	St. Francis Xavier Collage.
‡Clouston, Howard R.	Huntingdon, Q.	Huntingdon Academy.
Crease, Arthur L.	Nelson, B.C.	Barrie Collegiate Inst.
Crombie, David W.	London, Ont.	London Collegiate Institute
Culver, Cyrus W.	Harrisville, N.Y.	Colgate Academy.
Dakin, Warren A., M.A.	Pugwash, N.S.	Mt. Allison University.
‡†Davies, Andrew P.	Hull, Q.	Ottawa Collegiate Institute.
*Deane, Edwin T.	Belleville, Barbados.	Harrison College.
‡Digby, Reginald W.	Brantford, Ont.	Trinity Coll. Sch., Port Hope
Doyle, Philip E.	Hawkesbury, Ont.	Hawkesbury High School.
Dunbar, Archibald.	Alma, P.E.I.	Prince of Wales College.
Dunne, Gerald	Ottawa, Ont.	Ottawa University.
‡Elliott, Robert	East Clifton, Q.	Granby Academy.
Erikkila, Isaac A., B.A.	Port Arthur, Ont.	Trinity College.
Ewert, Carl	Gretna, Man.	Manitoba University.
Falconer, Ernest H.	Prentice, Wis.	University of Wisconsin.
Fraser, John R.	Lakefield, Ont.	Norwood, Ont.
Fraser, Wilbert G.	Pembroke, Ont.	Pembroke High School.
†Frost, Percy J.	Montreal, Q.	Bishop's College.
Furlong, Harry G.	Norwich, Ont.	Woodstock Collegiate Inst.
Gallagher, Joseph B.	Bath, N.B.	St. Francis Xavier College,
‡Geggie, Harold J.G.	Beauport, Q.	Quebec High School.
†Gillespie, John H.	Morrisburg, Ont.	Morrisburg Collegiate Inst.
Gillis, Stephen H.	Indian River, P.E.I.	St. Dunstan's Coll., Ch'town
Glickman, Abraham.	Montreal, Q.	Private Tuition.
‡Gliddon, William O.	Ottawa, Ont.	Ottawa Collegiate Institute.
†Guilfoyle, Vincent G.	Waterbury, Conn.	Ottawa University.
Havey, Harry B.	Digby, N.S.	Acadia University.
†Hawkins, Allan B.	The Belle Estate, Barbados,	Harrison College.
Hepburn, Howard H.	Edmonton, Alta.	Brandon Collegiate Inst.
Hepburn, William G.	Stratford, Ont.	Stratford Collegiate Inst.
Herbert, Thomas A.	Bridgetown, B'dos.	Harrison College.
Hicks, Elbert R., B.A.	Upper Dorchester, N.B.	Mt. Allison University.
Hickson, Charles R.	St. John, N.B.	Mt. Allison University.
Howitt, Charles	Guelph, Ont.	Guelph Collegiate Inst.
Hutchison, George W.	Escott, Ont.	Athens High School.

† Conditioned Student. ‡Double Course Student.

Name.	Home Address.	Where Last Educated.
Johnson, Frank A.	Waterbury, Conn.	Ottawa University.
‡Keith, Claude H.	New Glasgow, N.S.	New Glasgow High School.
‡Kolber, Joseph.	Montreal, Q.	Montreal High School.
Lavers, Percy L.	Georgetown, P.E.I.	Prince of Wales College.
Legault, J. Horace.	Ottawa, Ont.	Ottawa University.
‡Livinson, Jacob A.	Montreal, Q.	Montreal High School.
Locke, J. Allan.	Irena, Ont.	Iroquois High School.
Lockwood, Ambrose L.	Westport, Ont.	Athens High School.
Logie, H. Burton.	Chatham, N.B.	Univer. of New Brunswick
McAlister, William J.	Winnipeg, Man.	Manitoba College.
Macaulay, Albert E.	St. John, N.B.	St. John High School.
‡McBurney, Albert.	Sawyerville, Q.	Granby Academy.
McCarthy, John A.	St. John, N.B.	St. Joseph's College.
McDonnell, Donald S.H.	Alexandria, Ont.	Alexandria High School.
McEachern, Malcolm T.	Fenelon Falls, Ont.	Collegiate Inst., Lindsay, O.
McGibbon, Roy H.	Montreal, Q.	Volkmann's School, Boston
Mackintosh, Arthur E.	Pugwash, N.S.	Pictou Academy.
Macmillan, Hugh.	Victoria, B.C.	Victoria College.
McNaughton, Murray W.A.	Moosomin, Sask.	Bishop's College School
MacPhee, John A., B.A.	Charlottetown, P.E.I.,	St. Dunstan's College.
Malcolm, Robert B.	St. John, N.B.	St. John High School.
†Marchant, Harold B.	Victoria, B.C.	Victoria High School.
Marcuse, Otto, B.A.	Westmount, Q.	McGill University.
†Markson, Simpson.	Alexandria, Ont.	Alexandria High School.
‡Mavety, LeRoy.	Montreal, Q.	High School, Kemptville, Ont
*Milne, Clifford T.	Kingston, Ont.	Toronto University.
Moodie, Alex R.	Perth, Ont.	Perth Collegiate Inst.
Morison, Malcolm J.	Ottawa, Ont.	Ottawa Collegiate Institute.
Mulcahy, William E.	Holyoke, Mass.	Tufts College, U.S.A.
Mulloy, Patrick G.	Inkerman, Ont.	Kemptville High School.
Mundie, Gordon S., B.A.	Westmount, Q.	McGill University.
O'Brien, John F.	Fall River, Mass.	Holy Cross College.
O'Callaghan, Robert H.L.	East Sheen, Surrey, Eng.	Farnboro, Hants, Eng.
†Park, John E.	New Glasgow, N.S.	Pictou Academy.
†Peabody, Harry S.	Mansonville, Q.	Stanstead College.
Piper, John O.	Bingham, Maine.	Bates Coll, Lewiston, Me.
‡Ramsay, Irving D.	Waskada, Man.	Manitoba College.
Raphael, Howard M.	Ottawa, Ont.	Ottawa Collegiate Institute.
Reade, Everett A .G.	St. John West, N.B.	St. John High School.
†Rheaume, Raymond.	Montreal, Q.	Ottawa University.
†Richardson, James W.	Mountain, Ont.	Kemptville High School.
Robinson, Thomas A.	St. Mary's, Ont.	St. Mary's Coll. Inst.
Scott, George O.	Ottawa, Ont.	Ottawa Collegiate Institute.
‡Shannon, W. Lloyd.	Vancouver, B.C.	Vancouver College.
Shepard, Harold M.	London, Ont.	London Collegiate Inst.
Sihler, George A.	Litchfield, Ill.	University of Illinois.
‡Solomon, Edward.	Montreal, Q.	Montreal High School.
Stewart, Archibald.	South Indian, Ont.	Vankleek Hill H. S.
†Stewart, John D.	Calgary, Alta.	Morrisburg Collegiate Inst.
Stone, David R.	Rapid City, Man.	Rapid City Intermed. School
Strudwick, Henry T.	Duncans, Jamaica.	Jamaica College.
Taylor, S. Wesley.	Taylor Village, N.B.	Mt. Allison University.
‡Thompson, Allen E.	Coaticook, Q.	Coaticook Academy.
†Walker, Edmund E.W.	Hamilton, Bermuda.	Trinity College School.

†Conditioned Student. ‡Double Course Student.

Second Year.

Name.	Home Address.
Anderson, William M.	Midgic, N.B.
Archibald, David W.	North Sydney, C.B.
Atkinson, Paul McL.	Albert, N.B.
‡Auld, Fred M.	Cove Head, P.E.I.
Bailey, Cameron V.	New Glasgow, N.S.
‡Ballon, David H.	Montreal, Q.
Barnhill, Harold B.	Two Rivers, N.S.
Benoit, Hector W.	Ottawa, Ont.
Bleasdell, W. A.	Fernie, B. C...
Booth, Gordon E.	City View, Ont.
Bramley-Moore, Alfred.	Sea Dog's Cove, N.B.
†Brown, Samuel.	Hallville, Ont.
Bugbee, Raymond G., Ph. B.	N. Attleboro, Mass.
Callaghan, William A.	Ogdensburg, N. Y.
Cameron, John R.	Charlottetown, P.E.I.
Carnell, Arthur H.	St. John's, Nfld.
Carney, Michael, J., B.A.	Halifax, N.S.
*Cavanagh, J. M.	Cornwall, Ont..
Clarke, T. L. E.	St. John's, Barbados.
Cody, Harry C.	Centreville, N.B.
Conn, Leighton C.	St. Catherines, Ont.
Cotton, Thomas F., B.A.	Cowansville, Q..
*Cox, Charles G.	Hull, Q.
Craig, Hector M.	Kenmore, Ont.
Crawford, John W.	Courtenay, B. C.
Cron, Charles.	Harbor Grace, Nfld
Cross, C. Ernest, B.A.	Montreal, Q.
Curry, Wilfred A., B.A.	Halifax, N.S.
D'Avignon, F. Joseph.	Au Sable Forks, N.Y.
Donahue, Hugh F.	Leominster, Mass.
Dorsey, Joseph W.	Charlottetown, P.E.I.
Dunlop, Fred T.	St. John, N.B.
Ewing, William T.	Montreal, Q.
Foster, Arthur N.	Providence, R. I.
Fraser, Maxwell J.	Stratford, Ont.
Froomess, Leo E.	Montreal, Q.
Funk, Edwin H.	Rossland, B. C.
Gillis, John J., B.A.	Miscouche, P.E.I.
Graves, C. Allan.	Oklahoma City, Okla.
Greenleese, J. Carey.	Ottawa, Ont.
Hale, G. Carleton.	London, Ont.
Hamilton, C. Dickenson.	Cornwall, Ont.
*Hand, W. T.	Montreal, Q.
Hawkshaw, Edward P.	Chilliwack, B. C.
Holloway, Edwin C. P.	Ottawa, Ont.
Irven, John J.	Alexandria, Ont.
Jenkins, John S.	Charlottetown, P.E.I.
Kaine, William J., B.A.	Brattleboro, Vt.
Keay, Arnold.	New Glasgow, N.S.
Keilly, Clement M., B.A.	Springfield, N.B.

*Partial Student
†Conditioned Student.
‡Double Course Student.

NAME.	HOME ADDRESS.
Lafontaine, Ulric, B.L.	Montreal, Q.
	Quincy, Mass.
*Lahey, John J.	South Mountain, Ont.
Lannin, John C.J.	Lisbon, N.Y.
Lawrence, Watson A.	Charlottetown, P.E.I.
Lawson, George C.	Brantford, Ont.
Leys, W. Murray	Montreal, Q.
Lindsay, Lionel M.	Smith's Falls, Ont.
‡McCallum, John S.	Cornwall, Ont.
McCracken, William A.	Nanaimo, B.C.
McEwen, S. Cameron	Ogdensburg, N.Y.
McGrath. Maurice J.	Victoria, B.C.
†MacLean, Charles G. G.	Brockville, Ont.
McMillan, William H.	Bridgetown, Barbados
Manning, Gerald	Marmora, Ont.
Murray, Joseph M	Smith's Falls, Ont.
Ower, John J., B.A.	Hampstead, N.B.
Palmer, John E., B.A.	Vancouver, B.C.
Patton, William D.	Thomaston, Me..
Peaslee, Pearl E.	Lisbon, N. H
Richardson, Robert W.	Concord, N.H.
Robinson, George	Hull, Q.
Scott, John B	Spanish Town, Jamaica
Sharp, Claud E.	Boston, Mass.
Smith, Bruce S.	Danville, Q.
Speer, Robert B.	Ormond, Ont.
Stewart, Alexander,	Montreal, Q.
Thomson, J. Oscar	Bear River, N.S.
Turnbull, Fred M.	Spanish Town, Jamaica.
Turner, John S.	Weyburn, Sask.
Underhill, Thomas B.	Woburn, Mass.
Walsh, James J.	Haley's Sta., Ont.
Worley, Ernest G.	

THIRD YEAR.

Adcock, John P.	Weymouth, Eng.
Allen, Kenneth W.	St. John, N.B.
Arbuckle, John W.	Summerside, P.E.I.
Arton, Ogilvie A.	Bailey's Bay, Bermuda
Baldwin, William J., A.B.	Ogdensburg, N.Y.
Ballem, John C., B.A.	Mt. Albion, P.E.I.
Barry, J. Leonard	Morrisburg, Ont.
Bechtel, Arthur D.	Victoria, B.C.
Bennett, Samuel J.	Waterloo, Q.
Black, James R.	Oxford, N.S.
Blanchet, Sidney F.	Ottawa, Ont.
Cameron, George L.	Mt. Albert, Ont.
Campbell, Donald G., B.A.	Montreal, Q.
Campbell, J. DeL.	Arnprior, Ont.
Carr, James B., B.A.	Campbellton, N.B.
Chipman, R. Leverett, M.A.	Kentville, N.S.
Churchill, Lewis P.	Dartmouth, N.S.

*Partial Student.
†Conditioned Student.
‡Double Course Student.

Name.	Home Address
Clarke, James C., B.A.	Nelson, B.C.
Craig, Delmer A.	Kemptville, Ont.
Daigneau, Paul L.	Waterloo, Q.
Davis, Daniel W.	Brockville, Ont.
Davis, Stephen	Montreal, Q.
Dewar, Rod. D.	Glen Sandfield, Ont.
DeWitt, Avery E., B.A.	Wolfville, N.S.
Dexter, Roderick B., B.A.	Wolfville, N.S.
Donahoe, Robert A.	Cardigan, P.E.I.
Drury, W. Herbert	Barrie, Ont.
Dunnet, Henry W.	Ottawa, Ont.
Fenton, George S.	Ottawa, Ont.
Freedman, Abraham	Montreal, Q.
Fyfe, Alexander M.	Kingston, Jamaica.
Garcelon, Harold W., A.B.	Lewiston, Me.
Gardiner, Alfred E.	McAdam Jct., N.B.
Gilmour, William N.	Brockville, Ont.
Goodwin, Burton E.	Amherst, N.S.
Gray, Edwin H., B.A.	Montreal West, Q.
Harry, Archie C.	Kingston, Jamaica.
Hils, Oswald H.	Woonsocket, R.I.
Holbrook, Charles E.	Ogdensburg, N.Y.
Hunter, William B.	Vanceboro, Me.
Jenkins, Willard M.	Downeyville, N.B.
Johnson, Arthur L.	Windsor, N.S.
Kaufmann, Joseph	Montreal, Q.
Kelley, J. W.	Detroit, Mich.
Kennedy, Alan H. N.	MacLeod ,Alta.
Kirby, William P. P., B.A.	Gagetown, N.B.
Lees, Fred W.	Perth, Ont.
London, Jepson F.	Wickham, N.B.
Lovering, James E.	Coldwater, Ont.
Lynch, John G. B.	Almonte, Ont.
McBride, Walter P.	Central Bedeque, P.E.I.
MacCordick, A. Howard	Richmond West, Ont.
McDonald, Ronald H.	North Bedeque, P.E.I.
MacDonell, Donald F., B.A.	Port Hood, N. S.
McGibbon, James A.	Forest, Ont.
McGrath, Joseph, B. L.	Tignish, P.E.I.
McKay, Will H.	Ottawa, Ont.
McMillan, William J. P.	Clermont, P.E.I
Martin, Arthur A.	Fingal, Ont.
*Martin, Frank W.	Aylmer, Q.
Morin, Joseph H. G , B.A.	St. Hyacinthe, Q.
Murphy, Giles B., B.A.	Brockville, Ont.
Nagle, Francis W.	Montreal, Q.
Nordbye, Frithjof A.	Granite Falls, Minn.
Ortenberg, Samuel	Quebec, Q.
Paterson, John H.	Almonte, Ont.
†Perrigard, Ernest N.	Montreal, Q.
Powell, Ralph E., B.A.	Sackville, N.B.
Purdy, Charles E.	Bear River, N. S.
Read, Edward S., B.A.	St. Felix de Valois, Q.
Read, George C., B.A.	Summerside, P.E.I.

*Partial Student. †Conditioned Student.

Name.	Home Address.
Rocheleau, Walter C., B.A.	Woonsocket, R.I
Rowell, John S.	Montreal, Q.
Shanks, George, B.A.	Howick, Q.
Shewan, Douglas R.	Westmount, Q..
Simpson, James S.	Maynard, Ont.
Soley, Lawson A.	Fox River, N.S.
Somerville, Harry A.	Waterville, Q.
Sparks, John J.	St. John's, Nfld.
Tannenbaum, David.	Montreal, Q.
Tanton, Edwin T.	St. Eleanor's, P.E.I.
Taylor, Thomas H.	Cumberland Mills, Q.
Thomas, Frank H.	Annapolis Royal, N. S.
Tracy, William L., M.A.	Hartland, N.B.
Wallace, Carl T.	Eureka, Cal.
Wallace, Irwin.	Belleville, Ont.
Walsh, John P., B.A.	Quebec, Q.
Waugh, Oliver S.	Westmount, Q.
Wilson, Karl M.	Madoc, Ont.
Wilson, Murray J.	Hamilton, Ont.
Yeo, Ira J.	Charlottetown, P.E.I.
Fourth Year.	
Anton, Duncan L. S.	Ireland.
Arthur, James R.	Perth, Ont.
Baird, Walter S.	Lucknow, Ont.
Bayley, Alexander H.	St. Michael, Barbados.
Benvie, Robert M.	Salt Springs, N.S.
Bernstein, David H.	Montreal, Q.
Blanchard, Harold B.	Mallorytown, Ont.
Bray, Dallas G., B.A.	Sherbrooke, Q.
Brydone-Jack, Fred W.	Vancouver, B.C.
Budyk, Jacob S.	Montreal, Q...
Clarke, Frederick C.	Coverley, Barbados.
Coborn, Josiah.	Newton Robinson, Ont.
Covey, Herman W.	Everett, Mass.
Crowe, H. S.	Central Onslow, N.S.
Dalton, James T.	St. John, N.B.
Dearborn, Henry F.	Malden, Mass.
Denovan, A. E. Botsford.	Montreal, Q.
Dixon, John A.	Almonte, Ont.
Earl, Edgar H.	Rochester, N.Y.
Edwards, William F	Smith's Falls, Ont.
Eggert, Charles A.	Atlin, B. C.
Enright, William E., B.A.	Sherbrooke, Q.
Fairie, James A.	Montreal, Q.
Farris, Hugh A.	White's Cove, N.B.
Fraser, Simon B.	Richmond, Q.
Furse, William J.	Montreal, Q.
Gabie, William G.	Kazabazua, Q.
Garcelon, William S., A.B.	Lewiston, Me.
Girvan, Robert G.	St. John, N.B.
Graham, Douglas W.	Arundel, Q.
Gray, William E.	Campbellton, N.B.
Grier, Reginald T.	Montreal, Q.
Hawkins, Zadok, B.A.	Sussex, N.B.
Healy, James J.	Toronto.
Henderson, Smith.	Ottawa, Ont.

Name.	Home Address.
Holman, William L., B.A.	Summerside, P.E.I.
Hunter, J. Douglas	Victoria, B.C.
Huycke, Austin H.	Warkworth, Ont.
Keay, Thomas	New Glasgow, N.S.
Lake, Walter E.	Ridgetown, Ont.
Landry, Arthur R.	Dorchester, N.B.
Lannin, George E. J.	South Mountain, Ont.
Locke, Ernest E., B.A.	Westmount, Q.
Logie, Fred G.	Chatham, N.B.
MacArthur, Clarence O.	Summerside, P.E.I.
McCann, James H.	S. Framingham, Mass.
McCowen, Gerald R.	St. John's, Nfld.
McDonald, John N.,	Shelburne, N.S.
MacLachlan, William W. G.	Guelph, Ont.
McLennan, Alexander L., B.A.	Lancaster, Ont.
Morgan, James D., B.A.	Montreal, Q.
Muir, Walter L., B.A.	Truro, N. S.
Noble, Ermy C.	Randolph, Vt.
Norton, Frank, A.	Savannalamar, Jamaica.
Oulton, Merville, A., M.A.	Jolicure, N.B.
Peltier, Henry G.	Fort William, Ont.
Penney, Laurie T. W.	New Germany, N.S.
Peters, H. Le Baron, B.A.	St. John, N.B.
Porter, James F. S.	Powassan, Ont.
Quinn, Francis P.	Ottawa, Ont.
Rabinovitch, Max, B.A.	Montreal, Q.
Raftery, Charles R.	Montreal, Q.
Robinson, Robert C.	Winchester, Ont.
Rublee, Orson E., B.A.	North Hatley, Q.
Sawyer, Carl D., A.B.	Lewiston, Me.
Scott, Walter H.	Edmonton, Alta.
Shankel, Fred R., B.A.	Hubbard's Cove, N.S.
Shirreffs, Heber S.	Clarence, Ont.
Sinclair, George W.	Goshen, N. S.
Stein, Seymour F.	Kemptville, Ont.
Stephens, George F.	Winnipeg, Man.
Stevenson, Arthur B.	New Glasgow, P.EI.
*Sutherland, Charles G,	Hamilton, Ont.
Sutherland, Robert H., B.A.	River John, N.S.
Sweeney, John L., B.A.	Dover, N. H.
Taylor, George O.	Hillsboro, N.B.
Thomson, James W.	Mattawa, Ont.
Trufant, Lester H., A.B.	Auburn, Me.
Vesey, Eustace M.	York, P.E.I.
Waddell, Jerrold R.	Chatham, Ont.
Whitelaw, William A.	Meaford, Ont.
Wilkins, Frederick F.	Montreal, Q.
Wilson, Albert A.	Perth, Ont.
Woodrow, James B.	Beaconfield, Ont.

Course for Diploma of Public Health.

Fysche, J. C., A.B., (Harvard), M.D.
Joughin, J. L., M.D.
Young, W. H., M.D.

*Partial Student.

FACULTY OF LAW.

First Year.

Barclay, Gregor, B.A.	Montreal, Q.
Delage, Leon, B.A.	Sainte Madeleine, Q.
DeLorimier, Jules	Montreal, Q.
Doucet, Henri P.	Ottawa, Ont.
Dutaud, Gustave, B.A.	Grand Ligne, Q.
Gibb, Roberston W., B.A.	Montreal, Q.
Hackett, John T.	Montreal, Q.
Hing, Peter	Victoria, B.C.
Jacobs, Lyonell	Montreal, Q.
McGibbon, Philip G.	Montreal, Q.
Mathieu, L. J. Armand	Montreal, Q.
*(2) Maude, John, W. A	London, Eng.
Savard, Alfred	Quebec, Q.

Second Year.

‡Ballon, Isidore	Montreal, Q.
Callaghan, Frank O.	Montreal, Q.
Cameron, Angus W., B. A.	Westmount, Q.
Hepburn, William W. , B.A.	Richmond, Q.
Hyde, G. Gordon, B.A.	Westmount, Q.
Jenkins, Joseph, B.A.	Montreal, Q.
McMurtry, Rennie O., B. A.	Montreal, Q.
Millman, Lazarus	Montreal, Q.
Pelletier, Alexis D., B.A.	Montreal, Q.
Richards, Joseph A. T.	Montreal, Q.
Stewart, Thomas S, B.A.	Montreal, Q.
Stewart, William, B.A.	Montreal, Q.

Third Year.

Crankshaw, James	Montreal, Q.
Creelman, John J. ,B.A.	Montreal, Q.
Dillon, Joseph H.	Montreal, Q.
Downes, Patrick J., B.A.	Montreal, Q.
Girouard, J Arthur	Dawson, City, Yukon
Parkins, Edgar R., B.A.	Montreal, Q.
Tritt, Sam G.	Montreal, Q.
Walker, J. Harold E.	Westmount, Q.

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* Partial Student.

‡Double Course.

The figure (2), (3) or (4), prefixed to a name, indicates that the student takes a class in the corresponding year as well as in that where the name is found.

GRADUATE SCHOOL.

Proceeding to the Degree of Master of Arts.

Call, Frank O., B.A. (Bishop's) ..... West Brome, Q.
East, Edith M., B. A. ..... Montreal, Q.
Jamieson, John S. B.A. (Toronto) ..... Clyde, Ont.
Kirsch, Simon, B.A. ..... Montreal, Q.
McCrimmon, John R. B.A., (Queen's) ..... Vankleek Hill, Ont.
Naylor, R. Kenneth, B. A. ..... Shawville, Q.
Pearson, Mary F., B.A. ..... Halifax, N.S.
Rogers, David B., B.A. ..... Watford, Ont.
Rorke, Mabele L., B.A. ..... Montreal, Q.
Smith, Charles A., B.A ..... Maxatawny, Pa.

Proceeding to the Degree of Master of Science.

Brunner, Godfrey H., B. Sc. ..... Liverpool, Eng.
Fetherstonhaugh, Edward P, B.Sc. ..... Montreal, Q.
Fyshe, Thomas M., B.Sc. ..... Montreal, Q.
Graham, Richard P.D., B.A. (Oxon) ..... Oxford, Eng.
Harvey, John B., B.Sc. ..... Lyndhurst, Ont.
Lewis, D. Sclater, B.Sc. ..... Montreal, Q.
Lyman, Ruth D., B.A. ..... Montreal, Q.
McFee, M. C. Coll, B.A. ..... Montreal, Q.
McIntosh, Donald S., B.A. & B.Sc. (Dalhousie) .. Pleasant Bay, N.S.
Robertson, Arthur F., B.Sc. ..... Montreal, Q.
Roffey, Myles H., B.Sc. ..... Hornchurch, Essex, England.
Wickware, Francis G., B.Sc ..... Easton's Corners, Ont.
Winter, Elliott, E., B.Sc. ..... Georgetown, B.G.

Proceeding to the Degree of Doctor of Philosophy.

Bancroft, J. Austen, M.A. ..... Montreal, Q.
Boehner, R.S., M.A. ..... Paradise, N.S.
Boyle, Robert W., M. Sc. ..... Carbonear, Nfld.
Ince J. W., M.A. ..... Montreal, Q.
Johnson, Fred M.G., M.Sc. ..... Montreal, Q.
Lloyd, Stewart J. B.A., M. Sc. ..... Montreal, Q.
McLeod, Annie L., B.A., M.Sc. ..... Glace Bay, N.S.

Special Research Student in Physics.

Rümelin, Gustav, Ph.D (Gottingen) ..... Freiburg, Germany.

AFFILIATED COLLEGES

McGILL UNIVERSITY COLLEGE OF BRITISH COLUMBIA.

(In Arts).

FIRST YEAR.

Baynes, Caroline.
Belyea, Marie, L.
Brydone-Jack, H.D.
Hunt, William L
Lawson, Elizabeth C.
Lawson, Gertrude
Loveridge, William
McDonald, Christina
†McLellan, Robert B.
Macleod, Hazel E.
†MacMillan, William P
McWhinney, Olive.
Manning, Zenies V.
Matheson, Vinnie J.
Meadows, Stanley D.
Munro, Nicholas D.
Selman, Gordon S.
Skaling, Arthur C.
†Smith, J, Estella
Sparling, Ellen M.
Stewart, Edith L.
Stone, Frances
Thomas, E. Olive.
Thomas, Owen J.
Underhill, Fred C.
Wall, James T.

SECOND YEAR.

Green, Pearl A.
Howell, Lucy M.
Jones, William A.
McKinnon, D.A.
Philip, Nora
Phipps, Roy G.
Thompson, Andrew R.

(In Applied Science).

FIRST YEAR.

Anderson, Goldie F.
†Charters, Clarence R.
Eldridge, Gardner
*Galloway, Charles C.
Galloway, John D.
Gibbins, Gwynn G.
Gill, Peter C.
Irwin, Gifford M.
MacLeod, Alex. S.
Macrae, Lawrence P.
†Murray, Ernest T.
†Rolston, Fred. J.
†Scott, James H.
Shearer, Frederic J.
Whyte, Harold E.

STANSTEAD WESLEYAN COLLEGE.

(In Arts).

FIRST YEAR.

Alger, Clara F....
*Beaulne, G. E. E.
Beacon, Will A.
Flint, Norman.
†Pedley, Hilton S.
†Reilly, J. Clark.
Robson, Murray.
Shorten, Arthur F.
†Stevens, S. Ruston.

---

*Partial Student.
†Conditioned Student.

1906-07

VICTORIA COLLEGE.

(*In Arts*).

FIRST YEAR.

*Beckwith, Harold A.
Blankenbach, M. E.
Coates, Bessie M.
Dinsdale, Alfred
Eberts, Harold
Green, Cecilia R.
*Hanna, Marion
Holmes, Cuthbert
Irving, George
McIntyre, Hubert
†More, Katherine
Spragge, Ernest
*Williams, Florence P.

SUMMARY.

Students in Arts:—		
Men —Undergraduates	178	
Conditioned Students	14	
Partial Students	63	
Women —Undergraduates	79	
Conditioned Students	4	
Partial Students	30	
Partial students taking Special Courses for Teachers	41	
Special Students	1	
Students in Arts, Stanstead College	9	
University College, B.C.	33	
Victoria College,	13	
		465
Students in Applied Science:—		
Undergraduates	374	
Conditioned Students	29	
Partial Students	51	
University College, B.C.	15	
		469
Students in Law		33
Students in Medicine:—		
Undergraduates	338	
Conditioned Students	20	
Partial Students	6	
		364
		1331
Deduct repeated in different Faculties		27
Total		1304
Students in Graduate School		30
Post Graduates in Medicine		3
Summer Schools—		
In Library Training	12	
" French	52	
		64
Grand Total		1401

*Partial Student.
†Conditioned Student.

University and Graduates' Societies.

Alma Mater Society.

The Alma Mater Society is the medium of communication between the University authorities and students and the general public. It has been formed to deal with matters affecting the general body of students and to promote academic unity.

(OFFICERS 1906-1907.)

President—E. R. Parkins, B.A., Law '07.
Vice-President—M. G. Brooks, Arts '08.
Secretary—Miss E. M. Coates, Arts '07.
Treasurer—A. G. McGougan, Arts '08.

The McGill Union.

(OEEICERS 1907-1908.)

President—J. C. Simpson, Arts '07.
Vice-President—A. E. DeWitt, B.A., Med. '08.
Recording-Secretary—H. S. Johnston, Sci., '09.

Undergraduates' Literary and Debating Society.

(OFFICERS 1907-1908.)

Honorary President—Principal Peterson.
President—O. S. Tyndale, Arts '08.
Vice-President—W. H. Gordon, Arts, '09.
Secretary—R. C. Stewart, Arts '08.
Assistant-Secretary—A. R. W. Plimsoll, Arts '09.
Treasurer—M. L. Packard, Arts '09.

Arts Undergraduates' Society.

(OFFICERS 1906-1907.)

President—W. MacMillan, '07.
Vice-President—C. G. Heward, '07.
Secretary—H. G. Parsons, 07.
Treasurer—A. G. Penny, '08.

Applied Science Undergraduates' Society.

(OFFICERS 1907-1908.)

President—L. B. Kingston, '08.
Vice-President—T. B. Ballantyne, '08
Secretary—R. B. Stewart, '09.
Treasurer—H. S. Johnston, '09.
Reporter—D. L. McLean, '09.
Second Year Representative—C. Ryley, '10.

Undergraduates' Society in Medicine.

(OFFICERS 1906-1907.)

President—George W. Sinclair, '07.
Vice-President—W. S. Baird, '07.
Treasurer—L. A. Soley, '08.
Secretary—W. P. Kirby, '08.
Assistant-Secretary—J. J. Ower, B.A., '09.

Undergraduates' Society in Law.

(OFFICERS 1906-1907.)

President—J. J. Creelman, B.A., '07.
Vice-President—R. O. McMurtry, B.A., '08.
Secretary—J. T. Hackett, B.L., '09.

Cercle Francais.

(OFFICERS 1906-1907.)

Hon. President—Sir. W. C. Macdonald.
President—W. H. Cherry, Arts '07.
1st Vice-President—A. Tremblay, Arts '09.
2nd Vice-President—E. S. McDougall, Arts '07.
Secretary-Treasurer—O. S. Tyndale, Arts '08.
Committee—L. A. Coulin, Science, '09; J. de Lorimier, Law, '09; D. H. Ballon, Med. '09.

Physical Society.

(OFFICERS 1906-1907.)

President—Mr. A. S. Eve, M.A.
Vice-President—Prof. J. Cox.
Secretary—Dr. R. K. McClung.
Committee—Dr. H. T. Barnes, Dr. J. W. Walker, Dr. A. Stansfield.

Chemical Society.

(OFFICERS 1907-1908.)

President—Dr. McIntosh.
Vice-President—Dr. Harrington.
Secretary-Treasurer—Professor Evans.
Executive Committee—The above mentioned officers and Dr. Barnes, Dr. Stansfield, and Dr. Roebuck.

Medical Society.

(OFFICERS 1906-1907.)

Hon. President—Dr. F. J. Shepherd.
President—S. B. Fraser, '07.
Vice-President—J. W. Thomson, '07.
Secretary—J. W. Arbuckle, '08.
Assistant-Secretary—H. C. Cody, '09.
Treasurer—K. M. Wilson, '08.
Reporter—L. H. Trufant, '07.
Pathologist—G. E. J. Lannin, '07.

Mining Society.

(OFFICERS 1907-1908.)

Hon. President—Dr. J. B. Porter.
President—C. V. Brennan, '08.
Vice-President—A. Paré, '08.
Secretary-Treasurer—H. H. Yuill, '09

Historical Club.

(OFFICERS 1907-1908.)

President—H. T. Logan, Arts '08.
Vice-President—C. S. Lemesurier, Arts '09.
Treasurer—L. G. Dennison, Arts '09.
Secretary—M. L. Packard, Arts '09.
Committee—Dr. Colby, Dr. Fryer, O. B. McCallum, Arts '07.

Delta Sigma Society.

(OFFICERS 1907-1908.)

Hon. President— Miss Cameron, M.A.
President—Miss A. M. Macnaughton, '08.
Vice-President—Miss F. D. Willis, '09.
Secretary-Treasurer—Miss Clare Miller, '10.
Committee—Misses G. Plaisted, '08; F. C. Estabrooks, '09; Trenholme, '10.
Reporter to Outlook—Miss L. Plaisted, '10.

Societe Francaise.

(OFFICERS 1906-1907.)

Hon. President—Melle Milhau.
President—Miss I. Couture, '07.
Vice-President—Miss G. Plaisted, '08.
Secretary-Treasurer—Miss A. Massé, '09.
Reporter—Miss G. Sauvalle, '08.
Committee—Miss A. Hayden, '07; Miss M. Masson, '07; Miss E. Elliott, '09; Miss M. Williams, '10.

Young Men's Christian Association of McGill.

MEMBERSHIP.—The Membership of the Association consists of graduates and students of McGill University, or of the affiliated Colleges.

All are welcomed as Associate members; the active membership comprises those who are church members.

The home of the Association is Strathcona Hall, which, in addition to affording ample accommodation for the work of the Association as a whole, provides residence for sixty men.

Full particulars regarding the work of the Association are given in the annual Hand Book, and will also be supplied by the Secretary of the Association.

(OFFICERS 1907-1908.)

Hon. President—Dr. Alex. Johnson.
President—M. G. Brooks, Arts '08.
1st Vice-President—James Lovering, Med. '08.
2nd Vice-President—To be elected.
Treasurer—Will Stewart, Law, '08.
Assistant-Treasurer—E. B. Rider, Sci., '09.
Recording Secretary—W. R. MacDougall, Arts '08.
General-Secretary—F. W. Bates, B.A.
Associate-Secretary—W. G. Brown, B.A.

CHAIRMEN OF COMMITTEE.

Bible Study—W. R. McDougall, Arts '08.
Finance—Will Stewart, Law '08.
House—James Lovering, Med. '08.
Library—To be elected.
Membership—Geo. Wilson, Med. '09.
Missions—Fred Auld, Med. '09.
New Students—F. W. Bates, B.A.
Religious Meetings—R. B. Dexter, B.A., Med. '08.
Social—Harry Logan, Arts, '08.

STUDENT REPRESENTATIVES TO THE ADVISORY COMMITTEE.

G. B. Murphy, B.A. Med., '08.
W.Carr, Science, '09.

Young Women's Christian Association of McGill University.

(OFFICERS 1907-1908.)

Hon. President—Mrs Plumptre.
President—Miss Annie Smith, '08.
Vice-President—Gertrude Schafheitlin, '09.
Corresponding Secretary—Ruth Libby, '08.
Recording Secretary—Lilian Plaisted, '10.
Treasurer—Annie M. McKinnon, '10.
Reporters—Annie Gray, '09, Nora Trench, '09.

Columbian Club.

The Columbian Club, designed to promote good fellowship and social intercourse among Catholic students and graduates of the University, has Club Rooms in the Inglis Building, 485 St. Catherine St. West. Open day and evening.

OFFICERS.

President—James C. Clarke, Med. '08.
Vice-President—R. H. MacDonald, Med. '08.
Recording-Secretary—H. Wright Benoit, Med. '09.
Corresponding-Secretary—J. F. O'Brien, Med. '10.
Treasurer— R. A. Donahoe, Med. '08.
Chaplain—Rev. Gerald J. McShane.

Amateur Athletic Association.

(OFFICERS 1907-1908.)

President—R. A. Donahoe, Med., '08.
Vice-President—J. C. Kemp, Science., '08.
Secretary-Treasurer—A. Kerr, Sci., '08.

Royal Victoria College Athletic Club.

(OFFICERS 1907-1908.)

Hon. President—Miss Lichtenstein.
Hon. Vice-President—Miss Cartwright.
President—Miss K. MacDiarmid, '08.
Vice-President—Miss A. Mitchell, '09.
Secretary-Treasurer—Miss E. Cruickshanks, '10.
Reporter—Miss R. Libby, '08.
Hockey Manager—Miss A. Smillie, '08.
Basket Ball Manager—Miss G. Sauvalle, '08.
Tennis Manager—Miss A. Mackeen, '08.

Rugby Football Club.

(OFFICERS 1906-1907.)

Hon. President—Dr. Elder.
Hon. Treasurer—Prof. J. J. Kerry.
President—A. C. Pratt, Sci., '08.
Vice-President—A. Kennedy.
Treasurer—W. F. Steedman, Arts, '08.
Secretary—T. B. Ballantyne, Sci., '08
Manager—A. H. Dion, Sci., 09.
Captain—A. Paré, Sci. ,'08.

Association Football Club.

(OFFICERS 1907.)

Hon. President—Prof. C. H. McLeod.
President—J. B. Baird, Sci., '08.
Vice-President—A. G. McGougan, Arts, '08.
Secretary—H. Slingsby, Sci., '09.
Captain—F. Davis, Sci., '08.
Manager—H. Morrow, Sci.
Treasurer—E. Penney, Sci., '10.
Committee—A. S. Buttenshaw, Sci., '09, R. O'Callaghan, Med., '10, G. H. Fletcher, Arts, '10.

Track Club.

(OFFICERS 1907-1908.)

Hon. President—Dr. Elder.
Hon. Treasurer—Dr. Harvey.
President—J. C. Kemp, Sci., '08.
Vice-President—Harold W. Wood, Arts, '07.
Secretary—Frank E. Hawkins, Arts, '08.
Treasurer—A. J. Soper, Sci., '09.

Hockey and Skating Club.

(OFFICERS 1906-1907.)

President—G. S. Raphael, Sci., '08.
Vice-President—A. L. Spafford, Sci., '07.
Secretary—W. Mather, Sci., '08.
Treasurer—L. B.Kingston, Sci., '08.

Basket Ball Club.

(OFFICERS 1906-1907.)

President—J. Forbes, Sci., '08.
Vice-President—O. B. McCallum, Arts, '07.
Secretary-Treasurer—J. S. Rowell, Med., '08.
Manager—E. E. Locke, Med., '07.
Assistant-Manager—Gordon McGuire, Sci., '08.
Committeeman—George Smith, Sci., '09.

Boxing Club.

(OFFICERS 1907-1908.)

Hon. President—Dr. F. W. Harvey.
President—D. L. McLean, Sci., '09.
Vice-President—A. N. Foster, Med., '09.
Secretary—A. C. Reid, Sci., '10.
Treasurer—A. G. Stuart, Sci., '10.

Rifle Association.

(OFFICERS 1907-1908.)

Hon. President—Dr. Gregor.
Hon. Vice-Presidents—Dr. Tory, Prof. Durley, Major Mitchell.
Hon. Secretary—Dr. Ruttan.
Hon. Captain—Lieut.-Col. Burland.
Captain—A. G. McGougan, Arts '08.
Lieutenants—J. A. Delancey, Sci.; H. B. Barnhill, Med. '09.
Squad Sergeants—T. H. Taylor, Med., '08; E. F. Bregent, Sci., '09; H. R. Clouston, Arts, '09; G. H. Burbidge, Sci., '09.
Secretary Treasurer—Gordon Sproule, Sci., '08.

Cricket Club.

(OFFICERS 1907-1908.)

Honorary-President—Lord Strathcona.
President—Dean Moyse.
Vice-President—A. R. Oughtred, K.C.
Captain—W. Crosby Baber.
Secretary-Treasurer—S. N. Oughtred.
Assistant-Secretary—Dudley Gough.
Committee—Messrs. A. B. Wood, F. Davis, F. L. Mayers, H. B. Dickenson, F. C. King.

Fencing Club.

(OFFICERS 1907-1908.)

Hon. President—Prof. C. H. McLeod.
President—H. Slingsby, Sci., '09.
Sec.-Treasurer—W. Spencer, Sci., '08.
Committee—Dr. F. Scrimger, C. S. Burgess.

Swimming Club.

(OFFICERS 1906-1907.)

President—H. G. Pickard, Sci., '07.
Vice-President—R. P. Wright, Med.
Secretary—L. P. Churchill, Med. '08.
Treasurer—N. C. Harris, Sci., '10.

Lawn Tennis Club.

(OFFICERS 1907-1908.)

Hon. President—Professor Murray Macneill.
President—R. Percy Wright, Sci., '07.
Vice-President—Harvey Thorne, Sci., '08.
Secretary-Treasurer—H. S. Williams, B.A., B.C.L.

Wrestling Club.

(OFFICERS 1907-1908.)

Hon. President—W. J. Jacomb.
President—Geo. L. Guillet, Sci., '08.
Vice-President—T. E. Wilson, Arts, '09.
Secretary—C. A. Hodge, Sci., '09.
Treasurer—S. E. Vessot, Sci., '09.

Harriers' Club.

(OFFICERS 1906-1907.)

Hon. President—Prof. McLeod.
President—A. Kerr, Sci., '08.
Vice-President—J. H. Forbes, Sci., '08.
Secretary-Treasury—W. O. Briegel, Sci., '08.
Captain—P. H. Elliott, Sci., '07.

Glee and Mandolin Club.

(OFFICERS 1907-1908.)

President—D. Manny, Sci.
Vice-President—A. Merrill, Sci.
Secretary—C. A. Hale, Sci.
Business Manager—R. D. Harrison, B.A.
Committee—H. B. Logie, W. K. Wyman, M. G. Brooks.

Western Club of McGill University.

This Club has for its objects the furthering of the interests of McGill in the four western provinces and the helping of new students from these provinces.

Students from Manitoba, Saskatchewan, Alberta, or British Columbia coming to McGill for the first time are requested to communicate with the secretary of the Club at Strathcona Hall, Montreal.

(OFFICERS 1907-1908.)

Hon. President—Dr. H. M. Tory.
President—P. H. Elliott, Sci., '07.
Vice-President—A. A. Young, Sci., '10.
Secretary-Treasurer—Harold B. Marchant, Med., '10.
Asst. Secretaries—A. Yates, Arts, '08; H. Fox, Sci., '09.

Alumnae Association of McGill University.

(OFFICERS 1907.)

President—Isabel E. Brittain, B.A.
Vice-Presidents—E. A. H. Irwin, M.A.; A. S. James, B.A.; E. L. McLeod, B.Sc.
Recording Secretary—A. Muriel Wilson, B.A.
Asst. Recording Secretary—Margaret Brodie, B.A.
Corres. Secretary—Eleanor Tatley, B.A.
Asst. Corres. Secretary—Margaret F. Hadrill, M.A.
Treasurer—Bella Marcuse, M.Sc.

Ottawa Valley Graduates' Society.

(OFFICERS 1907.)

President—J. Eldon Craig, M.D.
1st Vice-President—W. Bell Dawson, M.A., Ma.E., D.Sc.
2nd Vice-President—D. B. Dowling, B.A.Sc.
3rd Vice-President—G. C. Wright, B.A., B.C.L.
Treasurer—A. S. McElroy, M.D.
Secretary—J. A. Robert, B.A.Sc., Geological Survey, Ottawa.
Council—D. A. W. Harris, H. M. Ami, M.A., D.Sc.; R. J. Wicksteed, M.A., B.C.L., LL.D.; E. A. Taggart, M. D., and R. W. Ells, M.A., LL.D.

New York Graduates' Society.

(OFFICERS 1907.)

President—Wm. Ferguson, M.D., C.M.
1st Vice-President—George Massey.
2nd Vice-President—R. T. Irvine, M.D., C.M.
Secretary—H. A. Coussirat, B.Sc., New York Telephone Building, 10 Dey street, New York.
Treasurer—Casewell Heine, B.A., LL.B. (New York).
Governors—Class 1908—F. T. H. Bacon, B.A.Sc.; Dr. F. H. Miller. Class 1909—John G. Saxe, B.A., LL.B. (Columbia); H. J. Schwartz, M.D., C.M. Class 1910—Hiram N. Vineberg, M.D., C.M.; R. A. Gunn, B.A.Sc.
Non-Resident Councillors—Prof. The Rev. J. C. Bracq, M.A. (Vassar College, N.Y.); The Rt. Rev. J. D. Morrison, M.A., D.D. (Bishop of Duluth); W. B. Gibson, M.D., Huntington, N.Y.; Rev. Donald Guthrie, B.A., D.D. (Baltimore, Md.); R. Tait Mackenzie, B.A., M.D. (Univ. of Penna., Philadelphia); J. B. Harvie, M.D., C.M.

New England Graduates' Society.

President—Arthur E. Childs, M.Sc. (Boston, Mass.).
1st Vice-President—George A. Fagan, M.D. (North Adams, Mass.).
2nd Vice-President—Ambrose Choquet, B.C.L. (Central Falls, R.I.).
3rd Vice-President—H. Holton Wood, B.A. (Boston, Mass.)
Secretary-Treasurer—Joseph Williams, M.D. (12 Bloomfield Street, Dorchester, Mass.).
Councillors—T. G. McGannon, M.D. (Lowell, Mass.); Miles Martin, M.D. (Boston, Mass.); W. W. Goodwin, M.D. (East Boston, Mass.); R. T. Glendenning, M.D. (Manchester-by-the-Sea, Mass.); Joseph C. Pothier, M.D. (New Bedford, Mass.); J. G. Pfersick, D.V.S. (Shelburn Falls, Mass.).

Graduates' Society of the District of Bedford.

(OFFICERS 1906.)

Hon. President—Hon. Justice Lynch (Knowlton).
President—Dr. R. C. McCorkill (Farnham).
Vice-Presidents—Dr. J. B. Comeau (Farnham); Dr. N. M. Harris (Knowlton); Dr. S. H. Martin (Waterloo).
Secretary-Treasurer—Dr. M. R. Slack (Farnham).

The British Columbia Graduates' Society.

President—S. J. Tunstall, B.A., M.D. (Vancouver).
Vice-Presidents—H. M. Robertson, M.D. (Victoria); W. F. Drysdale, M.D. (Nanaimo); J. M. Gregor, B.A., B.Sc. (Slocan; Peter A. McLellan, M.D. (Nelson); J. H. King, M.D. (Cranbrook).
Secretary-Treasurer—W. J. McGuigan, M.D. (Vancouver).
Associate Secretary—G. W. Boggs, M.D. (P.O. Box 653, Vancouver).
Executive Committee—A. E. Hill, B.Sc. (New Westminster); W. B. Burnett, B.A., M.D. (Vancouver); A. L. Kendall, M.D. (Cloverdale); E. Newton Drier, M.D. (Vancouver); J. B. Hart, D.V.S. (Vancouver.)

McGill Graduates' Society of Toronto.

(Organized 1896.)

(OFFICERS 1902.)

President—A. R. Lewis, K.C.
1st Vice-President—Rev. Canon Sweeny, M.A., D.D.
2nd Vice-President—H. C. Burritt, M.D.
Secretary-Treasurer—R. B. Henderson, B.A., 48 King Street, West.
Committee—Hamilton Cassels, B.A.; Willis Chipman, B.A.Sc.; P. E. Ritchie, B.A.

McGill Alumni Association of Chicago.

(OFFICERS 1907.)

President—Thomas A. Woodruff, M.D., Chicago Savings Bank Bldg.
1st Vice-President—Norman Kerr, M.D.
2nd Vice-President—Kenneth Moodie, B.Sc.
Secretary-Treasurer—Andrew Stewart, M.D., 464 W. Adams Street.
Councillors—J. A. Craig, M.A.; Leonard St. John, M.D.; John Ryan, D.V.S.

McGill University

DEGREES CONFERRED.

SESSION 1906-1907.

Graduate School

ADMITTED B.SC. (AD EUNDEM).

Harrison, Francis Charles, B.S.A. (Toronto).

ADMITTED TO THE DEGREE OF MASTER OF ARTS.

(In Alphabetical Order.)

East, Edith Mabel, B.A.
Hindley, John George, B.A.
Kirsch, Simon, B.A.
Pearson, Mary Frances, B.A.
Pelletier, Alexis Désiré, B.A.
Rice, Horace Greeley, B.A.

ADMITTED TO THE DEGREE OF MASTER OF SCIENCE.

Harrison, Francis Charles, B.S.A. (Toronto). B.Sc.
Harvey, John Buicke, B.Sc.
Brunner, Godfrey Hugh, B.Sc.
Lewis, David Sclater, B.Sc.
Lyman, Ruth Delia, B.A.
Robertson, Arthur Frederick, B.Sc.

ADMITTED TO THE DEGREE OF DOCTOR OF SCIENCE.

Ami, Henry Mark, M.A., D.Sc. (Queen's).
Fortier, Samuel, Ma.E.

HONORARY DEGREES CONFERRED.

(Session 1906-1907.)

Alfred Kleczkowski, Esq., Minister for France at Valparaiso Chili.

Frederich Müller, M.D., Professor of Medicine in the University of Munich.

Ernest Rutherford, M.A., D.Sc. (Univ. of New Zealand), F.R.S., Professor of Physics in McGill University.

Thomas Clifford Allbutt, M.D., F.R.S., Regius Professor of Medicine, University of Cambridge.

Sir William Broadbent, Bart., M.D., K.C.V.O., F.R.S., Physician Extraordinary to King Edward VII.

Sir Thomas Barlow, M.D., K.C.V.O., F.R.S., Physican to King Edward VII.

Sir Victor Alexander Haden Horsley, M.D., F.R.S., formerly Professor of Pathology, University College, London, Eng.

McGill University.

DEGREE AND SESSIONAL EXAMINATIONS.

1906-1907

Faculty of Law.

THIRD YEAR (GRADUATING CLASS).

HONOURS.

(In order of merit. Students of equal standing are bracketed together.)

Walker, Harold E., B.A.—Elizabeth Torrance Gold Medal; First Rank Honours and Prize of $50.

PASSED FOR THE DEGREE OF B.C.L.

(In order of merit.)

Walker, Harold E., B.A.
Girouard, J. A.
Dillon, J. H.
Creelman, J. J., B.A.
Parkins, E. R., B.A.
Tritt, S. Gerald.
Downes, P. J., B.A.

STANDING IN THE SEVERAL SUBJECTS.

(Subjects alphabetically arranged.)

AGENCY, PARTNERSHIP AND CORPORATIONS.

Walker, Dillon, Downes, Parkins, Creelman, Girouard, Tritt.

COMMERCIAL LAW—(PROF. SMITH).

Walker, Creelman, Girouard, Parkins, Tritt, Dillon, Downes.

COMMERCIAL LAW—(MR. JUSTICE DOHERTY).

Walker, Girouard, Dillon, Tritt; Creelman and Parkins, equal; Downes.

CONSTITUTIONAL LAW.

Walker, Girouard, Dillon; Downes and Creelman, equal; Tritt, Parkins.

CRIMINAL LAW.

Walker, Creelman, Girouard; Dillon and Tritt, equal; Parkins, Downes.

INTERNATIONAL LAW.

Dillon, Creelman, Walker; Parkins and Tritt, equal; Downes, Girouard.

MARRIAGE COVENANTS, PRESCRIPTION, ETC.

Walker; Dillon and Girouard, equal; Parkins, Downes; Creelman and Tritt, equal.

OBLIGATIONS.

Walker, Tritt; Parkins and Creelman, equal; Girouard, Dillon, Downes.

PROCEDURE.

Walker, Girouard, Creelman, Parkins, Dillon, Tritt, Downes.

REAL PROPERTY LAW.

Walker, Girouard, Dillon, Tritt, Parkins, Creelman, Downes.

ROMAN LAW.

Walker, Parkins, Dillon, Girouard, Downes, Creelman, Tritt.

SUCCESSIONS, GIFTS AND SUBSTITUTIONS.

Walker, Creelman, Girouard, Dillon, Downes, Parkins, Tritt.

SECOND YEAR.

HONOURS.

Stewart, W., B.A.—First Rank General Standing and Prize of $50.
Stewart, T. S., B.A.—Second Rank General Standing and Prize of $50.

PASSED THE SESSIONAL EXAMINATIONS.

(In order of merit.)

Stewart, W., B.A.; Stewart, T. S., B.A.; Hyde, G. G., B.A.; Jenkins, J., B.A.; Callaghan, F. O., B.A.; Cameron, A. W., B.A.; Richards, J. A. T.; McMurtry, R. O., B.A.; Pelletier, A. D., B.A.

STANDING IN THE SEVERAL SUBJECTS

CIVIL PROCEDURE.

Stewart (W.) and Stewart (T. S.), equal; Cameron; McMurtry and Hyde and Jenkins, equal; Callaghan, Richards, Pelletier.

CRIMINAL LAW.

Stewart (W.) and Stewart (T. S.), equal; McMurtry, Jenkins, Hyde; Cameron and Pelletier, equal; Callaghan.

COMMERCIAL LAW (PROFESSOR SMITH).

Stewart (W.), Callaghan, Jenkins, Stewart (T. S.), Hyde, Ballon, Richards; Cameron and McMurtry, equal; Pelletier.

COMMERCIAL LAW (MR. JUSTICE DOHERTY).

Stewart (W.), Stewart (T. S.), Hyde, Jenkins, Callaghan, Pelletier, Richards, McMurtry, Cameron.

CORPORATIONS.

Stewart (T. S.), Hyde, Stewart (W.), McMurtry, Callaghan, Jenkins, Pelletier, Cameron, Richards.

INTERNATIONAL LAW.

Hyde, Stewart (W.), Richards, Jenkins, Stewart (T. S.); Callaghan and McMurtry, equal; Cameron, Pelletier.

OBLIGATIONS.

Stewart (W.), Hyde, Stewart (T. S.), Jenkins, Ballon, Callaghan, Cameron, Richards, Pelletier, McMurtry.

PRESCRIPTION.

Stewart (W.), Stewart (T. S.), Ballon, Richards; Hyde and Jenkins, equal; Callaghan; Cameron and McMurtry, equal; Pelletier.

REAL PROPERTY LAW.

Stewart (W.) and Stewart (T. S.), equal; Hyde and Jenkins, equal; Cameron, Richards; Callaghan and McMurtry and Pelletier, equal.

SUCCESSIONS.

Stewart (W.), Stewart (T. S.), Pelletier, Callaghan, Jenkins, Ballon, Cameron, Hyde, Richards, McMurtry.

FIRST YEAR.

HONOURS.

Barclay, G., B.A.—First Rank General Standing; Scholarship of $100; and First Prize in Roman Law.
Hackett, J. T., B.A.—Scholarship of $100.
Savard, Alfred, B.A.—Prize of $25.
Hing, Peter—Prize of $25, and Second Prize in Roman Law.

PASSED THE SESSIONAL EXAMINATIONS.

(In order of merit.)

Barclay, G., B.A.; Hackett, J. T., B.A.; Savard, A., B.A.; Hing, Peter; Gibb, R. W., B.A.; DeLorimier, J., B.A.; Dutaud, G., B.A.; Mathieu, L. J. A.

STANDING IN THE SEVERAL SUBJECTS.

CIVIL PROCEDURE.

Hackett, Barclay, Savard, Gibb, DeLorimier, Mathieu.

CONSTITUTIONAL LAW.

Barclay, Hackett, Hing, Gibb, Savard, Mathieu, DeLorimier.

LEGAL HISTORY.

Barclay, Savard, DeLorimier, Gibb, Dutaud, Hackett, Hing.

PERSONS.

Barclay, Hackett, Gibb, Savard, Dutaud, DeLorimier, Hing, Mathieu.

PLEADING AND PRACTICE.

Barclay, Gibb, Savard, Hackett, Mathieu, DeLorimier.

REAL RIGHTS.

Barclay; Hackett and Savard, equal; Gibb, Hing, Dutaud, DeLorimier, Mathieu.

ROMAN LAW.

Barclay, Hing, Hackett, Gibb, Dutaud, Savard, DeLorimier, Mathieu.

McGill University.

DEGREE AND SESSIONAL EXAMINATIONS.

1906-1907.

Faculty of Arts.

PASSED FOR DEGREE OF B. A.

IN HONOURS.

(In Alphabetical Order.)

First Rank.—Cheesebrough, Charlotte M.
Couture, L. Ida.
Crawford, Emily C.
Eaton, Mary J.
Harrison, Ralph D.
Huxtable, Maggie.
King, L. Mabel.
MacCallum, Orick B.
Parsons, Howard G.
Penny, E. Goff T. (Latin).
Swift, Sherman C.
Vincent, Irving O.

Second Rank.—Armstrong, George D.
Bates, Frederick W.
James, A. Ethel.
Huntley, Herbert
MacKenzie, John M.
Penny, E. Goff T. (French).
Stanton, Mary G.

PASSED FOR THE DEGREE OF B.A.

(In order of merit. Students of equal standing are bracketed together.)

Class I.—Cherry, Wilbur H.
Gould, E. M. Lawrence
Heward, Chilion G.

Class II.—Davis, Charles W.
Armstrong, Louise A.
MacDonald, Dalraddy L.
Ellis, Robert W.
{ Macaulay, Esther E.
{ Macaulay, Gertrude F.
Parker, David W.
Kydd, Helen M.
McDougall, E. Stuart
Hayden, Amy J.

Wisdom, Jennie B.
Walker, Peter A.
Cushing, Dougall.
Allan, John A.
Belyea, John C.

Class III.—Cameron, David A.
Cliff, H. Welsford.
McQueen, Bessie.
Mowatt, Edith M.
MacMillan, William.
Coates, Evelyn.
Massy, Muriel A.
Williams, Clara L.
Cattanach, F. Alison.
Bridgette, Samuel J.
McCann, Walter E.
Meldrum, Herbert T.

Aegrotat.—Baylis, Inez M.

PASSED FOR THE DEGREE OF B.SC. IN ARTS.

Class I.—Simpson, James C. (Thesis).

DOUBLE COURSE IN ARTS AND LAW.

Class I.—None.
Class II.—Ballon, Isidore.
Class III.—None.

DOUBLE COURSE IN ARTS AND APPLIED SCIENCE.

Class I.—Price, Thomas E.
Class II.—None.
Class III.—Pease, E. Raymond.

DOUBLE COURSE STUDENTS IN ARTS AND MEDICINE WHO WILL BE QUALIFIED TO OBTAIN THE DEGREE OF B.A. IN JUNE 1907, ON COMPLETING THEIR MEDICAL YEAR.

Auld, Frederick M.
Ballon, David H.
McCallum, John S.

FOURTH YEAR (GRADUATING CLASS).

IN HONOURS.

(Subjects arranged alphabetically.)

In Classics.

Huxtable, Maggie.—First Rank Honours and Chapman Gold Medal.
Crawford, Emily C.—First Rank Honours.
Vincent, Irving O.—First Rank Honours.

In the English Language and Literature.

Cheesbrough, Charlotte M.—First Rank Honours and Shakspere Gold Medal.
Harrison, Ralph.—First Rank Honours.
Eaton, Mary J.—First Rank Honours.
Stanton, Mary C.—Second Rank Honours.
Armstrong, George D.—Second Rank Honours.

In History and Economics.

MacCallum, Orick B.—First Rank Honours and Special Prize.

In Latin and French.

Penny, E. Goff T.—First Rank Honours in Latin, Second Rank Honours in French.

In Mathematics and Natural Philosophy.

Bates, Frederick W.—Second Rank Honours.
James, A. Ethel.—Second Rank Honours.

In Modern Languages.

King, Mabel L.—First Rank Honours and Governor-General's Gold Medal.
Couture, L. Ida.—First Rank Honours and Governor-General's Silver Medal.
Swift, Sherman C.—First Rank Honours and Silver Medal of the Alliance Française.

In Mental and Moral Philosophy.

Parsons, Howard G.—First Rank Honours and Special Prize.
MacKenzie, John M.—Second Rank Honours.
Huntley, Herbert.—Second Rank Honours.

FIRST BANK GENERAL STANDING.

(1) *B.A. Course.*

Cherry, Wilbur H.—Special Certificate.
Gould, E. M. Lawrence.—Special Certificate.
Heward, Chilion G.—Special Certificate.

(2) *Double Course in Arts and Applied Science.*

Price, Thomas E.—Special Certificate.

THIRD YEAR.

HONOURS.

(Subjects arranged alphabetically.)

In Biology.

McClughan, Ellen.—Second Rank Honours.

In Classics.

Smith, Annie.—First Rank Honours.
Logan, H. T.—Second Rank Honours.

In the English Language and Literature.

Hawkins, Frank E.—First Rank Honours and Prize.
Yates, Arthur.—First Rank Honours.
{ Macnaughton, Ariel.—First Rank Honours.
{ Steedman, William F.—First Rank Honours.
Libby, Ruth E.—Second Rank Honours.

In History and Economics.

Fineberg, N. S.—Second Rank Honours.
{ Brooks, M. G.—Second Rank Honours.
{ Feiczewicz, K.—Second Rank Honours.

In History and English.

Emerson, John.—First Rank Honours.

In Latin and French.

Tyndale, Orville S.—Second Rank Honours in Latin, First Rank Honours and Prize in French.
Plaisted, Gertrude M.—Second Rank Honours in Latin, Second Rank Honours in French.

In Mathematics and Physics

Gillis, N. R.—First Rank Honours and Prize.
Shaw, A. N.—First Rank Honours and Prize.
Boyle, Gertrude M.—Second Rank Honours.

In Modern Languages.

Townsend, C. L.—First Rank Honours.
Younger, Marjorie D.—Third Rank Honours.

In Mental and Moral Philosophy.

Chandler, E. F.—Second Rank Honours.

PRIZES.

Shanks, Walter R. L.—Prize in Economics and Political Science.
Rice, E. L.—Prize in Mental and Moral Philosophy.

PASSED THIRD YEAR EXAMINATIONS.

FOR COURSE LEADING TO B.A.

(Arranged in Alphabetical Order.)

Ayer, Bouchard, Boyer, Brooks, Chandler, Creswell, Dolbel, Emerson, Feiczewicz, Fineberg, Gillis, Greenshields (*s*), Hastings, Hawkins, Henry, Isherwood, Libby, Lindsay (*s*), Logan, Macdiarmid, MacKeen,

(*s*) *Supplemental in one subject.*

Maclean, Macnaughton, McQueen, Patrick, Penny (*s*), Plaisted, Ramsay, Rice, Ross, Sauvalle, Shanks, Shaw, Simpson, Smillie, Smith, Steedman, Stockwell, Timberlake, Tyndale, Waterston, Yates, Younger.
Aegrotat.—Williams.

FOR COURSE LEADING TO B.SC.

Auchinleck, Stewart (*s*).

UNDERGRADUATES IN ARTS REGISTERED IN MEDICAL FACULTY, WHO WILL BE QUALIFIED TO ENTER THE FOURTH YEAR ARTS ON COMPLETING THEIR MEDICAL YEAR.

Elliott, R., McBurney, A.

SECOND YEAR.

HONOURS.

In Mathematics and Physics.

Hatcher, Albert G. (Methodist College, St. John's, Nfld.)—First Rank Honours and Prize.
McGougan, A. G. (Glencoe High School, Ont.)—First Rank Honours and Prize.
Meldrum, W. B. (Ottawa Coll. Inst., Ont.)—First Rank Honours and Prize.
Dennison, L. G. (Montreal High School)—Second Rank Honours.

ADVANCED SECTIONS.

FRENCH.

Tremblay, J. A.—Second Class.
Elliott, Edith E.—Second Class.
Vipond, F. M.—Second Class.
Plimsoll, A. R. W.—Third Class.

GREEK.

Hatcher, A. G.—First Class.
Estabrooks, Florence—First Class.

LATIN

Estabrooks, Florence—First Class.
Willis, F. D.—First Class.

PRIZES.

(Alphabetical order according to first subject.)

Schafheitlin, Gertrud (Montreal High School for Girls)—Prize in Biology; Prize in German.
Hatcher, A. G. (Methodist College, St. John's, Nfld.)—Prize in Chemistry; Prize in Greek.
Estabrooks, Florence C. (St. John High School, St. John, N.B.)—Prize in English; Prize in Greek; Prize in Latin; Prize in History and Economics; Annie McIntosh Prize.
McDonald, Jessie (Trafalgar Institute)—Prize in English; Prize in Logic and Psychology.

Massé, Alice (Feller Institute, Grande Ligne)—Prize in French.
Willis, Dorothy (Harmon School, Ottawa)—Prize in Latin.
McNeill, John T. (Prince of Wales College, P.E.I.)—Prize in Hebrew.
Slattery, Annie (Sydney Academy, Cape Breton)—Coster Memorial Prize.

PASSED THE SECOND YEAR EXAMINATIONS.

(1) *For Course Leading to B.A.*

Class I.—Estabrooks, Hatcher, McDonald, Willis. *Class II.*—Meldrum, Slattery, Lyman, Murphy, Dennison, McNeill, Massé, Cushing, Wilson (*s*), Vipond; Cameron and Nicholson, equal; Shannon, Hindley, Bruneau (*s*), Drummond, Harvey, Clouston; Geggie (*s*) and Packard, equal. *Class III.*—Fisher (*s*) and Fleet and Gliddon, equal; Pedley and Wodehouse, equal; Plimsoll; Canegata and MacKenzie, equal; Hawkins, Hale; LeMesurier and Elliott, equal; Archibald, Ross (*s*), Richardson, Tremblay, Brown (*s*), Surprenant, Mitchell, Norris (*s*), Stanton (*s*), Thompson (*s*)‡; Corbett and Waterston (*s*), equal; Wilson (*s*), Carey, Cheesbrough (*s*), Jones (*s*)‡, Rennoldson (*s*); Gordon (*s*) and Philip (*s*)‡, equal; Bole (*s*) Howell‡, Mackinnon (*s*)‡, Pringle (*s*).

(2) *For Course Leading to B.Sc.*

Class I.—Schafheitlin. *Class II.*—Gray.

FIRST YEAR.

ADVANCED SECTIONS.

(Subjects arranged alphabetically.)

IN LATIN.

Mabon, J. B. (Lachute Academy)—First Class.
McKinnon, Annie M. (Inverness Academy)—First Class.
Ross, S. G. (Hamilton Coll. Inst., Ont.)—First Class.
Mount, Beatrice R. (Westmount Academy)—First Class.
Paisted, Lilian D. W. (Dunham Ladies' College, Que.)—Second Class.
Tippet, R. S. (Diocesan College, Montreal)—Second Class.
Cockfield, H. R. (Montreal High School)—Second Class.
Prentice, N. A. (Crichton School, Montreal)—Second Class.

IN MATHEMATICS.

Mabon, J. B. (Lachute Academy), First Class.
Macnaughton, G. F.—(Montreal High School)—First Class.
DeSola, Bram C. (Montreal High School)—First Class.
Murray, G. E. (Montreal High School)—Second Class.
McGannon, E. M. (Brockville Coll. Inst., Ont.)—Second Class.
Couture, R. P. (Montreal High School)—Second Class.

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‡*McGill University College of British Columbia.*
(*s*) *Supplemental in one subject.*

PRIZES.

(Alphabetical order, according to first subject.)

DeSola, Bram C. (Montreal High School)—Prize in English; Prize in Latin.
Mabon, J. B. (Lachute Academy)—Prize in French; Prize in Latin; Prize in Mathematics.
Ross, S. ⌣. (Hamilton Coll. Inst., Ont.)—Prize in Greek; Prize in Latin.
Seymour, Louise E. (Montreal High School for Girls)—Prize in Greek; Prize in Latin.
McKinnon, Annie M. (Inverness Academy, Que.)—Prize in Latin.
Macnaughton G. F. (Montreal High School)—Prize in Latin; Prize in Mathematics.

PASSED THE FIRST YEAR EXAMINATIONS.

(1) *For Course Leading to B.A.*

Class I.—Mabon, Macnaughton, DeSola, McKinnon (A. M.), Ross, Plaisted.
Class II.—Powles, McWhinney‡, Couture, Seymour; Cockfield and MacKinnon (M. G.) and Munro‡, equal; Mariotti, Blampin, Dinsdale (*s*)*, Lawlor; Meagher and Murray, equal; Tippett (*s*), Spragge*, Hutchinson, Lamb (*s*); Armstrong (*s*) and Bennetts (*s*)and Elder (*s*), equal; Ramsay.
Class III.—Solomon (*s*); Digby (*s*) and Douglas, equal; Murchison, McEwen, Holmes (*s*)*, Ramsey (*s*), Stone (*s*)‡, Prentice, McGannon, Gillmor, Kolber (*s*), Mount (*s*), Gordon (s) Watson(*s*), Taylor (*s*); Macdonald (Murdo) (*s*) and Thomas (O. J.) (*s*)‡, equal; Brownlee, Smith (*s*)‡, Badgley (*s*), Carr, Kendall, Reilly† (s), Green (s)*, Manning‡, Meadows‡, McLellan (*s*)‡, Beaton (*s*), McDonald (*s*)‡, Booth (*s*).

(2) *For Course Leading to B.Sc.*

Class I.—None.
Class II.—None.
Class III.—Younger (*s*).

(*s*) *Supplemental in one subject.*

STANDING IN THE SEVERAL SUBJECTS.

FOURTH YEAR.

ASTRONOMY.

Class I.—Bates. *Class II.*—James. *Class III.*—None.

BOTANY.

Class I.—None. *Class II.*—Williams. *Class III.*—None.

CONSTITUTIONAL LAW.

Class I.—Cherry, Heward. *Class II.*—Meldrum. *Class III.*—None.

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‡*McGill University College of British Columbia*, †*Stanstead College*, **Victoria College, B.C.*, ***Alberta College, Edmonton.*

ENGLISH COMPOSITION.

Class I.—Davis, Harrison, Macaulay (E. E.); Armstrong (L.) and Cheesbrough, equal; Stanton; Kydd and Macaulay (G.), equal; Eaton, Cattanach, Heward. *Class II.*—Cliff; Cherry and Price, equal; Armstrong (G. D.) and Gould, equal; Massey McMillan; Bridgette and Hayden, equal; Coates, Allan; Rider and Walker, equal; McCann. *Class III.*—Mowatt and Wisdom, equal; Masson and Williams, equal; Auld and Parker, equal; MacDonald, MacDougall, McQueen, Ellis, Cushing, Cameron, Ballon (L), Belyea, MacCallum; Ballon (D.) and Meldrum, equal.

ENGLISH LITERATURE.

(1) *English Prose Fiction.*

Class I.—Davis, Cheesbrough, Gould, Harrison, Eaton. *Class II.*—Armstrong (L.), Armstrong (G. D.); Cattanach and Macaulay (E. E.), equal; Massy and Stanton, equal; Price; Kydd and Parker and Wisdom, equal. *Class III.*—McCann, Coates, McQueen, Walker; Hayden and Mowatt, equal.

(2) *Nineteenth Century Poets.*

Class I.—Cheesbrough and Harrison, equal; Eaton, Price, Gould, *Class II.*—Armstrong (L.), Macaulay (G.), Parker, Hayden, Wisdom; Kydd and Macaulay (E. E.), equal; MacMillan and Stanton, equal; Armstrong (G. D.) and Fleet (I.), equal. *Class III.*—Coates and McQueen, equal; Massy, Walker, Cattanach, Mowatt, McCann.

Graduate Student.

Class I.—None. *Class II.*—Rorke: *Class III.*—None.

EXPERIMENTAL PHYSICS

(1) *Electricity and Magnetism.*

Class I.—Price. *Class II.*—MacMillan, Cushing. *Class III.*—Rider.

FRENCH.

Class I.—King, Couture, Swift, Heward. *Class II.*—Penny, Hayden, MacDougall. *Class III.*—Masson.

GEOLOGY (*Continuation Course.*)

Class I.—None. *Class II.*—Allan, Cushing. *Class III.*—None.

GEOLOGY.

Class I.—Simpson, MacDonald, Gould. *Class II.*—Davis, Bridgette, McQueen (Bessie), Cameron. *Class III.*—Massy.

Graduate Student.

Class I.—None. *Class II.*—Hindley. *Class III.*—None.

GERMAN.

Class I.—King, Couture, Swift. *Class II.*—Hayden. *Class III.*—None.

GREEK.

Class I.—Vincent, Huxtable, Crawford, Gould. *Class II.*—None. *Class III.*—None.

HISTORY.

Class I.—Belyea, MacDougall, Mowatt. *Class II.*—Cattanach, Macaulay (G.), Allan, Cameron, Coates, McCann. *Class III.*—Masson and Williams, equal.

HISTORY OF PHILOSOPHY.

Class I.—Parsons. *Class II.*—MacKenzie and Huntley, equal; MacMillan. *Class III.*—Cliff, Wisdom, Laverock.

HISTORY OF GREEK PHILOSOPHY.

Class I.—None. *Class II.*—Parsons and MacKenzie, equal; Huntley. *Class III.*—Bridgette, Laverock.

Graduate Student.

Class I.—None. *Class II.*—None. *Class III.*—Smith (C. A.).

LATIN.

Class I.—Vincent, Crawford. *Class II.*—Huxtable and Penny, equal. *Class III.*—None.

MINERALOGY.

Class I.—None. *Class II.*—None. *Class III.*—Allan.

MORAL PHILOSOPHY.

Class I.—None. *Class II.*—Armstrong and Kydd, equal. *Class III.*—None.

PHILOLOGY (GENERAL).

Class I.—Crawford, Huxtable. *Class II.*—None. *Class III.*—Vincent, Penny.

PHILOLOGY (CLASSICAL).

Class I.—Crawford, Huxtable. *Class II.*—None. *Class III*—Penny.

POLITICAL ECONOMY.

Class I.—Cherry, Ellis. *Class II.*—Ballon (I.). *Class III.*—None.

POLITICAL SCIENCE.

Class I.—Heward, Hing. *Class II.*—Armstrong (L.), Ballon (I.); Meldrum and Parker, equal. *Class III.*—Macaulay (G.), Macaulay (E. E.); MacQueen and Mowatt, equal; Kydd, Massy, Cliff; Coates and Williams, equal.

Graduate Students

Class I.—None. *Class II.*—None. *Class III.*—Jamieson, McCrimmon.

POLITICAL SCIENCE (CONTINUATION COURSE).

Class I.—Cherry; MacCallum and MacDonald, equal; Ellis, Rider. *Class II.*—Belyea and Cameron, equal; Wisdom, Walker. *Class III.*—None.

Graduate Students.

Class I.—Jamieson, Pearson. *Class II.*—McCrimmon. *Class III.*—None.

PSYCHOLOGY

Class I.—Parsons. *Class II.*—Huntley and MacKenzie, equal; Davis. *Class III.*—Laverock.

Graduate Student.

Class I.—East (Edith). *Class II.*—None. *Class III.*—None.

ROMAN LAW.

Class I.—Belyea. *Class II.*—Ellis. *Class III.*—MacDougall, Cattanach, Meldrum.

ZOOLOGY.

Class I.—MacDonald and Simpson, equal. *Class II.*—None. *Class III.*—None.

THIRD YEAR.

ASTRONOMY.

Class I.—Shaw; Boyle and Gillis, equal. *Class II.*—None. *Class III.*—None.

BOTANY.

Class I.—None. *Class II.*—Auchinleck, McClughan. *Class III.*—None.

CHEMISTRY (ORGANIC). *Honour taken as Ordinary.*

Class I.—None. *Class II.*—None. *Class III.*—Auchinleck.

CHEMISTRY (ORDINARY).

Class I.—Auchinleck. *Class II.*—None. *Class III.*—Bouchard, Stewart.

ENGLISH COMPOSITION.

Class I.—Hawkins, Macnaughton, Steedman; Rice and Libby, equal. *Class II.*—Shanks, Bouchard, Emerson, Smillie, Yates, Maclean; Greenshields and Ross, equal; Lindsay and McQueen, equal; Penny, Isherwood; Creswell and Macdiarmid, equal; McBurney; Sauvalle and Waterston, equal; Auchinleck and Dolbel and Simpson and Timberlake, equal. *Class III.*—Elliott and Stockwell, equal; Ayer; Hastings and Ramsey and Stewart, equal; Henry, MacKeen, Patrick.

ENGLISH LITERATURE.

(1) *Eighteenth Century.*

Class I.—Hawkins, Macnaughton, Rice; Maclean and Macdiarmid, equal; Emerson and Libby, equal; Smillie. *Class II.*—Steedman, Ross, Yates; Lindsay and Paterson and Timberlake, equal. *Class III.*—McQueen, Cliff; Ayer and Henry and Ramsey, equal; Simpson, Isherwood, Penny.

(2) *Shakspere.*

Class I.—Hawkins, Steedman, Paterson, Emerson, Isherwood, Yates; McQueen and Simpson, equal; Henry and Maclean, equal; Duncan and Macnaughton, equal; Gray and Rice, equal; Libby. *Class II.*—Smillie, Ayer, Ramsey, Cliff, McDougall. *Class III.*—Lindsay, Timberlake, Macdiarmid, Penny, Ross.

Graduate Student.

Class I.—East. *Class II.*—None. *Class III.*—None.

EXPERIMENTAL PHYSICS.

(1) *Electricity and Magnetism.*

Class I.—Shaw, Gillis. *Class II.*—Boyle. *Class III.*—None.

(2) *Sound, Light, Heat.*

Class I.—Ayer. *Class II.*—Simpson. *Class III.*—Patrick, Stewart.

FRENCH.

Class I.—Tyndale, Sauvalle, Townsend. *Class II.*—Stockwell, Plaisted, Shanks, Younger. *Class III.*—Dolbel, Creswell, Bouchet, Waterston, MacKeen.

GEOLOGY.

Class I.—McGougan, Shanks, Maclean, Auchinleck; Stockwell and Timberlake, equal. *Class II.*—Rice and Smillie, equal; McQueen, Hastings; Macdiarmid and MacKeen, equal; Dolbel, Ross; Chandler and Sauvalle, equal; Patrick. *Class III.*—Isherwood, McClughan.

GERMAN.

Class I.—Townsend. *Class II.*—None. *Class III.*—Younger, Sauvalle.

GREEK.

Class I.—Smith. *Class II.*—Logan. *Class III.*—Bouchard, Ross.

HISTORY.

Class I.—Brooks and Fineberg, equal; Hastings, Emerson, Feiczewicz. *Class II.*—Ayer, Lindsay, Greenshields. *Class III.*—Henry, Simpson.

HISTORY OF GREEK PHILOSOPHY.

Class I.—None. *Class II.*—None. *Class III.*—Chandler.

LATIN.

Class I.—Smith. *Class II.*—Tyndale and Plaisted, equal; Logan. *Class III.*—None.

MATHEMATICS (ORDINARY).

Class I.—None. *Class II.*—None. *Class III.*—Dolbel.

MORAL PHILOSOPHY.

Class I.—Rice. *Class II.*—Chandler, Duncan. *Class III.*—Ramsey.

PHILOLOGY (GENERAL).

Class I.—None. *Class II.*—None. *Class III.*—Smith, Tyndale, Townsend, Plaisted.

PHILOLOGY (CLASSICAL).

Class I.—None. *Class II.*—Logan, Smith. *Class III.*—Plaisted, Tyndale.

POLITICAL ECONOMY.

Class I.—None. *Class II.*—Elliott. *Class III.*—McBurney, Fineberg; Brooks and Greenshields, equal; Feiczewicz and Hastings, equal.

POLITICAL SCIENCE.

Class I.—Shanks. *Class II.*—Fineberg, Maclean, Bouchard; Creswell and McBurney, equal; Feiczewicz and Smillie, equal; Patrick, Stockwell; Brooks and Elliott and Waterston, equal. *Class III.*—McQueen and Ramsay, equal; Timberlake, Isherwood, Fraser, MacKeen, Penny, Macdiarmid.

ZOOLOGY.

Class I.—None. *Class II.*—McClughan. *Class III.*—Stewart.

SECOND YEAR.

(1) ANIMAL BIOLOGY (Christmas, 1906).

Class I.—Schafheitlin, Slattery. *Class II.*—McGougan. *Class III.*—Hale, Cameron, Raynes, Murphy, Gray, McNeil, Canegata.

(2) PLANT BIOLOGY. (April, 1907).

Class I—Schafheitlin, McGougan, Cameron, McNeill. *Class II.*—Slattery, Harvey, Brown, Pringle; Hale and Waterston, equal; Canegata; Gray and Murphy, equal. *Class III.*—Massé.

ELEMENTARY BIOLOGY.

(Combined results of 1 and 2 as above, including Continuation Biology).

Class I.—Schafheitlin, Slattery. *Class II.*—Gliddon, Mavety, Cameron, McNeill, Hale; Geggie and Shannon, equal. *Class III.*—Clouston, Brown, Gray; Canegata and Murphy and Henry, equal; Pringle, Massé.

ANIMAL BIOLOGY.

(Passed Supplemental of Christmas examination.)

Brown, Boyd, Harvey, Massé, Pitt, Pringle.

CHEMISTRY.

Class I.—Hatcher; Cameron and Schafheitlin, equal; Gray, Wilson, Geggie, Shannon, Gliddon, Clouston; Dennison and Suprenant, equal; MacKenzie and Mavety and Meldrum, equal. *Class II.*—Harvey, Canegata, Stanton, Waterston, Hanson; Pringle and Rennoldson, equal; Wodehouse. *Class III.*—None.

ENGLISH COMPOSITION.

Class I.—Hawkins, Estabrooks, McDonald, Gordon, Hatcher, Mackintosh, Lyman, Gray. *Class II.*—Geggie and Meldrum and Pedley, equal; McNeill and Shannon and Slattery, equal; LeMesurier; Clouston and Nicholson, equal; Norris; Murphy and Raynes and Schafheitlin, equal; Willis and Wilson, equal; Carey and Vipond, equal; Richardson; Waterston and Wodehouse, equal; Fisher; Bole and Brown and Corbett and Elliott and Gale, equal. *Class III.*—Cushing and Fleet, equal; Cheesbrough, Stanton; Dennison and Massé, equal; Harvey, Ross; Gliddon and Hindley, equal; Cameron and Plimsoll and Canegata, equal; Bruneau and MacKenzie and Mitchell and Packard, equal; Tremblay; Drummond and Hale, equal; Oliver and Rennoldson, equal; Archibald, Hanson, Surprenant, Daw; Pringle and Telfer, equal.

ENGLISH LITERATURE.

Class I.—McDonald, Estabrooks, Willis, Massé, Lyman, Bruneau; Schafheitlin and Slattery and Wodehouse, equal. *Class II.*—McNeill, Gray, Fisher; Geggie and Hindley and Murphy, equal; Anderson and Nicholson and Vipond, equal; Elliott and Fleet, equal; Shannon, Pedley; Packard and Richardson and Thompson‡, equal; MacKenzie and Morris, equal; Harvey and Phipps‡, equal; Brown and Hale and Hawkins, equal. *Class III.*—Cheesbrough and Stanton and Wilson, equal; Mackintosh and Raynes, equal; LeMesurier and Mitchell, equal; Bole; Archibald and Carey, equal; Tremblay and Jones‡, equal; Corbett, Gordon; Rennoldson and Philip‡, equal; Canegata and Clouston and Oliver, equal; Pringle, Surprenant, Telfer, Green‡; Howell‡ and Mackinnon‡, equal.

FRENCH.

Class I.—Massé, Schafheitlin, Tremblay; Bruneau and Cushing and Vipond, equal. *Class II.*—Drummond, LeMesurier; Elliott and Packard, equal; Fisher, Hawkins, Archibald, Plimsoll, Willis; Fleet and Geggie, equal. *Class III.*—Gray and Pedley, equal; Wilson, Waterston, Gliddon; Cameron and Corbett, equal; Carey, Cheesbrough, Oliver.

GERMAN.

Class I.—Schafheitlin. *Class II.*—Lyman. *Class III.*—Vipond, Hawkins, Telfer, Simpson, Norris.

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†*McGill University College of British Columbia.*

GREEK.

Class I.—Hatcher and Estabrooks, equal; Murphy. *Class II.*—Nicholson; Richardson and MacKinnon‡ and Philip‡, equal. *Class III.*—Bruneau, Thompson‡; Elliott and Mitchell, equal; Howell‡; Gordon and Tremblay, equal.

HEBREW.

Class I.—McNeil and Duncan, equal. *Class II.*—Rogers, Bruneau, Gray. *Class III.*—Campbell, Cranston.

HISTORY AND ECONOMICS.

Class I.—Estabrooks, McDonald, Willis. *Class II.*—Hindley, Drummond, Fisher, Cushing; LeMesurier and Plimsoll, equal. *Class III.*—Mitchell, Norris, Pedley; Corbett and Wilson, equal; Bole, Carey, Daw, Wodehouse.

Passed in History only

Bruneau, Brown, Oliver.

Passed in Economics only.

Mackintosh.

LATIN.

Class I.—Estabrooks, Willis, McDonald; McNeill and Murphy, equal; Cushing. *Class II.*—Nicholson; Lyman and Slattery, equal; Canegata and Fleet, equal; Archibald and Packard, equal; Harvey and Wodehouse, equal. *Class III.*—Hale and Massé and Pedley and Plimsoll, equal; Jones‡ and Philip‡ and Vipond, equal; Clouston; Cameron and MacKinnon‡, equal; Howell‡ and Richardson and Thompson‡, equal; MacKenzie and Brown, equal; Cheesbrough and Drummond and Mitchell, equal; Hawkins and Hindley, equal; Rennoldson and Waterston, equal; Carey and Elliott and Surprenant, equal; Corbett, Phipps‡, Daw, Shannon; LeMesurier and Gliddon, equal.

LOGIC.

(Half-course—April, 1907.)

Class I.—McDonald. *Class II.*—Slattery, McNeill; Lyman and Hindley, equal; MacKinnon‡, Packard. *Class III.*—Mavety and Raynes, equal; Gordon and Jones‡, equal; Archibald; Fleet and MacKenzie, equal; Nicholson, Hale; Green‡ and Richardson, equal; Tremblay; Bole and Phipps‡, equal.

MATHEMATICS.

(1) *Solid Geometry and Conic Sections* (*Christmas*, 1906).

Class I.—Hatcher, McGougan. *Class II.*—Dennison and Thompson‡, equal; Wilson, Cushing, Jones‡, Howell‡; Meldrum and Ross, equal; Cheesbrough. *Class III.*—Hawkins, Surprenant, Irwin; Hanson and Rennoldson and Stanton, equal; Fetherstonhaugh and Gale and Harthan and Philip‡, equal.

(2) *Algebra* (*April*, 1907).

Class I.—Hatcher, McGougan; Meldrum and Ross, equal. *Class II.*—Dennison, Howell‡. *Class III.*—Hawkins, Plimsoll; Cushing and Wilson, equal; Surprenant, Stanton, Gale.

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‡*McGill University College of British Columbia.*

SOLID GEOMETRY AND CONIC SECTIONS.

Passed Supplemental of Christmas Examination.

Plimsoll.

PHYSICS.

Class I.—McGougan, Hatcher, Wilson. *Class II.*—Meldrum, Dennison. *Class III.*—Ross.

PHYSIOLOGY—(*Advanced Course*).

Class I.—None. *Class II.*—Slattery. *Class III.*—None.

PSYCHOLOGY—(*Christmas*, 1907).

Class I.—None. *Class II.*—McDonald, Lyman; Hale and Slattery, equal. *Class III.*—Hindley, McNeill, Tremblay, Nicholson (D. I.), MacKenzie, Gordon, Mavety; Bole and Richardson, equal; Packard, Fleet, Jones‡.

PSYCHOLOGY.

Passed Supplemental examination of Christmas examination.

Archibald, Green‡, Raynes.

SPANISH.

Class I.—None. *Class II.*—Drummond. *Class III.*—None.

FIRST YEAR.

ENGLISH.

Class I.—DeSola, Holmes*, Munro‡, Reilly†; Lawson (E.)‡ and Mabon, equal; Cockfield and Couture and Macnaughton and McKinnon (A.) and Seymour, equal; Ramsey. *Class II.*—Spragge*, Stone‡. Roper**; McWhinney‡ and Powles, equal; Douglas and Green* and Lilly, equal; Badgley and Cassels and Watson, equal; Gilmor and Mariotti and Plaisted and Ross, equal; Hanna* and Murchison, equal; Armstrong (J. D.) and Blampin and McEwen and Prentice and Taylor, equal; Wilson. *Class III.*—Cruickshank and Johnston and McDonald (Marion), equal; Deacon† and Elder and Murray, equal; Brownlee and Hutchinson and Lawlor and Walker**, equal; MacKinnon (W. G.) and Mount, equal; Brydone-Jack‡; Macdonald (Murdo) and Ramsay, equal; Lamb and McCuaig, equal; Baylis and Digby and Skaling‡, equal; Kendall and Meagher and MacLaren and McDonald (C.)‡ and Thomas‡, equal; Carr; Flint† and Macleod‡ and McLellan‡ and Younger, equal; Coates* and McLennan and Newell, equal; Beaton and Booth and More*, equal; McGannon and Sparling‡, equal; Manning‡ and Smith‡, equal; McIntyre* and Meadows‡, equal; Buchan and Watts and Hanson**, equal; Gemmill and Wall‡, equal.

FRENCH.

Class I.—Mabon, Couture, McKinnon (A. M.); Macnaughton and Plaisted, equal; Holmes* and DeSola, equal; Williams, Cousins. *Class II.*—Bennetts, Elder, Seymour, McGannon; McWhinney‡ and Miller

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* *Victoria College, B.C.* ** *Alberta College, Edmonton.*

(C), equal; Hutchinson, Taylor; Armstrong and Van Vliet, equal; Blampin, Meagher. *Class III.*—Kolber and Solomon and Spragge*, equal; Prentice, Mariotti, Ramsey; Lamb and Lawson (E. C.)‡ and Mount and Paine, equal; Dinsdale* and Green* and Lang and MacDonald (Murdo) and Newell and Robson† and Sargent, equal; Livinson and Miller (M. J.) and Watson, equal; Bushell and Douglas and Johnston and McDonald (A. B.), equal; McMurtry and Murray, equal; Badgley and Gillmor, equal; Christie; Brownlee and Carr and Younger, equal; Blanchard and Buchan and Lawlor and McEwen and Munro‡, equal; McDonald (C.)‡ and Stone‡, equal; Kendall and Kingston, equal; More* and Redpath, equal; Gordon and Lawson (G.)‡ and Shaughnessy and Thompson, equal.

GERMAN.

Class I.—McKinnon (M. G.). *Class II.*—Murchison and Reinhardt, equal; Elder. *Class III.*—Prentice, Meagher, Ramsay, Lang, Brower, Rosenberg.

GERMAN (BEGINNERS' COURSE).

Class I.—None. *Class II.*—Williams (Marion), Sutherland (F. C.). *Class III.*—Solomon.

GREEK.

Class I.—Ross, Seymour, DeSola, Johnston. *Class II.*—Powles and Tippett, equal; Cockfield, Thomas (E. O.)‡ Baynes‡. Class III.—Thomas (O. J.)‡, Manning‡; Thorne and Newell, equal; Meadows‡; Beaton and Law**, equal; Stewart‡; Booth and Reilly†, equal.

LATIN.

Class I.—McKinnon (A.); Mabon and Ross, equal; Seymour; DeSola and Macnaughton, equal; Mount and Powles, equal; Cockfield and Plaisted, equal; Lawlor and McWhinney‡, equal; Meagher, Tippett; Blampin and Dinsdale*, equal. *Class II.*—Taylor, MacKinnon (M. G.), Prentice, Elder; Gordon and Lamb, equal; Murchison, MacDonald (Murdo); Douglas and Hutchinson, equal; Johnston (J. D.) and Williams, equal; Marriotti and Ramsay and Stone‡, equal; Johnston (C. L.); Bennetts and Cassells, equal; Newell and Skaling‡ and Thomas (E. O.)‡, equal. *Class III.*—Brower and Carr and Kolber, equal; Armstrong and Baynes‡ and Solomon, equal; Murray and Smith (J. E.)‡ and Smith (W. T.)**, equal; Badgley and Beaton and Brownlee and Couture and Lawson (E. C.)‡, equal; Redpath and Spragge*, equal; Kendall and MacDonald (A. B.), equal; Digby and McDonald‡ and Miller (M. I.) and Thomas (O. J.)‡, equal; Macleod‡ and Miller (C.) and Ramsey and Roper** and Wilson, equal; Law** and Macaulay, equal; Rosenberg and Sutherland and Thompson and VanVliet, equal; Holmes* and Manning‡ and Pengelley and Watson, equal; Gillmor and McEwen, equal; Booth and Eberts*, equal; McGannon and Reilly†, equal; Green* and Stewart‡, equal; Meadows‡; Baylis and Cruickshank and Sparling‡, equal; Lawson (G.)‡ and McLellan‡ and Munro‡, equal.

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* *Victoria College, B.C.* ** *Alberta College, Edmonton.*

MATHEMATICS.

(1) *Algebra.*

Class I.—Paine, Lawlor, Munro‡; Ross and Plaisted, equal; McWhinney‡, Gordon. *Class II.*—Digby, Smith (J. E.)‡; Flint† and McKinnon (A.), equal; Kolber and Meagher, equal; Dinsdale* and Thomas (O. J.)‡, equal; McEwen and Powles, equal; Carr and Hutchinson, equal; Cockfield; Pengelley and Ramsey, equal; Mariotti; MacKinnon (M. G.) and McKay (A. E.) and Seymour and Thompson, equal. *Class III.*—Payne, Kendall,, Hughes, Witton; Anderson and Bennetts and Spragge* and Tippett, equal; Blampin and Davis, equal; Blanchard and McMurtry and Reid (R. H.), equal; Keith and Prentice and Ramsey (J. D.), equal; Deacon† and McLellan‡ and Sutherland, equal; Armstrong and Douglas and Macleod‡ and Oughtred and Sargent, equal; Cassells and Hanson** and Solomon, equal; Brownlee and Kingstone and Lawson (E.)‡ and Lawson (G.)‡ and McKenzie and Murchison and Younger, equal; Meadows‡ and Miller (C.) and Redpath, equal; Halliday and Wilson, equal; Macrae; Baynes‡ and Beaton and Danby and Grier and Johnston (C.) and Mackay (J.) and Manning‡ and Mount and Roper** and Thomas (E. O.)‡, equal.

(2) *Trigonometry.*

Class I.—Kolber and Munro‡, equal; McWhinney‡ and Pengelley, equal; Ross, Smith (J. E.)‡, Lawlor, Paine, Flint†, McEwen, MacKinnon (M.G.). *Class II.*—Plaisted, Hutchinson; Dinsdale* and Solomon, equal; Meagher; Mariotti and McKinnon (A. M.), equal; Digby, Powles. *Class III.*—Selman‡ and Watson, equal; Irwin‡ and McMurtry, equal; Skaling‡, Cassels, McLellan‡, Wall‡; Cockfield and MacLaren and Tippett, equal; Spragge*; Bennetts and Cruickshank and Ramsay and Thomas (O. J.)‡, equal; Blanchard and Brower and Oughtred, equal; Baynes‡ and Blampin and Gordon and Meadows‡ and Thompson, equal; Baylis and Elder and Lawson (G.)‡ and Seymour, equal; MacMillan‡; Mount and Sutherland and Taylor, equal; Douglas and Hughes and MacDonald (Murdo), equal; Murchison and Prentice, equal; Carr and Lamb and Murray‡ and Payne and Trenholme, equal; Deacon† and Kendall and Stewart‡ and Younger, equal; Brownlee and Davies and Johnston and Manning‡ and Miller (C) and More* and Redpath and Runnells, equal.

(*Christmas*, 1906).

(3) *Geometry.*

Class I.—Plaisted, McKinnon (A. M.), Lamb, Meagher, Ross, Armstrong and Badgley and Cassels, equal. *Class II.*—Munro‡, Flint†, Kolber and Mackay, equal; Payne, Digby, Mariotti and Spragge*, equal; Bennetts and Stone‡, equal; Powell*, Pengelley and Skaling‡, equal; Paine, Irving*, Cockfield and McMurtry, equal; Deacon† and Dinsdale*, and Hutchinson and Robson† and Witton, equal. *Class III.*—McWhinney‡ and Wilson, equal; Baylis and Eberts* and Ramsay (I. D.) and Thomas (O. J.)‡, equal; McKinnon (M. G.) and Meadows‡ and Hanson**, equal; Powles, Blampin and McLellan‡, equal; Holmes* and Prentice, equal; Smith‡ and Wall‡, equal; McEwen and McDonald (Marion) and Seymour and Younger, equal; McLaren and Murchison, equal; McLennan and Reid, equal; Kingston and McKenzie, equal;

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Davies and Solomon and Tippet, equal; Buchan and Danby and Grier and More*, equal; Gray and Rosenberg and Smith** and Van Vliet, equal; Elder and Manning‡ and Mount and Pelletier and Stevens†, equal; Wright**; Brower and Green* and Hyman and Thompson and Watson, equal; Brydone-Jack and Brownlee and Carr and Cruickshank and Douglas and Godwin and Gordon and Henneker and Hughes and Kendall and McDonald and McIntyre and Sargent and Shorten, equal.

GEOMETRY.

Passed Supplemental of Christmas Examination.

Coates*, Emo, Johnston (C.), Keith, Lawson (E.)‡, Lawson (G.)‡, Mackay (J.), Macleod‡, Redpath, Selman‡, Thomas (E. O.)‡, Underhill‡.

PHYSICS.

Class I.—Munro‡, Skaling‡, Macnaughton, DeSola; Dinsdale* and Mariotti, equal; Mabon; Miller (C) and Murray, equal; Couture; Digby and Powles, equal; McKinnon (A. M.) and MacKinnon (M. G.), equal; Blampin, Cassells; McWhinney‡ and Ramsay, equal; Solomon, Lamb, McKenzie. *Class II.*—Cockfield andMcMurtry, equal; Armstrong, Douglas; Fletcher and Hughes and Plaisted, equal; Pengelley and Spragge*, equal; Gordon; Howe and Ross and Trenholme, equal; Cruickshank and Elder and McGannon and Witton, equal; McEwen and McKay and Stevens and Watts, equal; Ramsey and Thomas (O. J.)‡ and Tippett and Wall‡, equal; Gillmor and Lawlor and Miller (M. J.), equal; Brower; Bennetts and Meagher and Stone‡, equal. *Class III.*—Christie and Seymour, equal; Baylis and MacDonald (Murdo), equal; Brownlee and Reilly† and Smith‡, equal; Murchison and Redpath and Watson and Wilson, equal; Pomeroy; Deacon† and Gemmill and McIntyre* and McLellan‡ and Smith**, equal; Danby and Kendall and Sutherland, equal; Davies and Hutchinson, equal; Booth; Beaton and Eberts* and Rosenberg and Younger, equal; Carr and Livinson and MacLaren and McLennan, equal; MacKay and Prentice and Whitehall, equal; Green*, Dyas, Lawson (G.)‡; Sargent and Underhill‡ and VanVliet, equal; Badgley and Holmes* and Kolber and More* and Runnells and Selman‡ and Taylor, equal; Collier and Manning‡ and MacMillan‡ and McDonald (C.)‡ and Meadows‡, equal.

SPECIAL COMMERCIAL COURSES.

FIRST YEAR.

ENGLISH.

Class I.—Kimball *Class II.*—Stevens. *Class III.*—McKay, Anderson.

HISTORY.

Class I.—Kimball *Class II.*—Stevens. *Class III.*—McKay, Anderson.

FRENCH

Class I.—None. *Class II.*—None. *Class III.*—Kimball.

MATHEMATICS.

Class I.—McKay. *Class II.*—Kimball. *Class III.*—Stevens, Anderson.

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McGill University.

SESSIONAL EXAMINATIONS, 1906-1907

Faculty of Applied Science

FOURTH YEAR (GRADUATING CLASS)

HONOURS.

(In alphabetical order.)

Bell, George E., British Association Medal and Prize; Honours in Practical Astronomy, Designing, Geodesy, Hydraulics, Railway Engineering and Theory of Structures; British Association Exhibition of $50.

Brown, W. G., Honours in Metallurgical Laboratory Work and Electro-Metallurgy.

Burr, Godfrey E., Honours in Electric Lighting and Power Transmission and Electric Traction.

Elliott, Percy H., Honours in Physical Chemistry and in Mineral Analysis.

Dickenson, J. G., Prize for summer thesis.

Gray, J. Seton, British Association Medal and Prize; Honours in Thermodynamics. Prize for summer thesis.

Lamb, Henry M., British Association Medal and Prize; Honours in Practical Astronomy, Designing, Geodesy, Hydraulics, Railway Engineering, and Theory of Structures; British Association Prize of $25.00.

Lathe, Frank E., British Association Medal and Prize; Honours in Metallurgical Design, Metallurgical Fieldwork, Metallurgical Laboratory, Ore Dressing, Colloquium, and Electro-Metallurgy. Prize for summer thesis.

Macdonald, W. M. B., Prize for summer thesis.

Munn, D. Walter, Honours in Thermodynamics.

Patterson, R. H., The Allis-Chalmers Scholarship.

Riddell, Arthur G., British Association Prize; Honours in Machine Design.

Sharp, A. Lester, Second Carlyle Prize; Summer Essay Prize.

Shearer, G. W., British Association Medal; Honours in Alternating Currents and Alternating Current Machinery; Electric Lighting and Power Transmission, Electric Traction.

Strangways, H. F., The Sir William Dawson Fellowship in Mining; First Carlyle Prize. Honours in Mining Engineering, Mining Machinery, Ore Dressing, Geology and Ore Deposits.

Wilson, T. A., Honours in Physical Chemistry and in Mineral Analysis.

Woodyatt, J. B., Honours in Alternating Current Work and Alternating Current Machinery and Machine Design.

PASSED FOR THE DEGREE OF BACHELOR OF ARCHITECTURE.

(In order of Merit.)

Shorey, Harold E., Montreal, Que.
Robb, Frederick G., Montreal, Que.

PASSED FOR THE DEGREE OF BACHELOR OF SCIENCE.

(In order of Merit.)

CHEMISTRY.

Wilson, Thomas A., Waverley, N.S.
Elliott, Percy H., Saskatoon, Sask.
Spafford, Arthur L., Lennoxville, Que.

CIVIL ENGINEERING.

Bell, George E., St. Thomas, Ont. } equal
Lamb, Henry M., Montreal, Que. }
Black, Hiram J., Amherst, N. S.
Miller, Harry B., Montreal, Que.
Gamble, Clarke W., Victoria, B.C.
Harrington, Conrad D., Montreal, Que.
Racey, Percy W., Lennoxville, Que.
Brown, William Godfrey B., Quebec, Que.
McCallum, George H., Smith's Falls, Ont.
Wilson, William S., Niagara Falls South, Ont.
Mathieson, Donald M., St. Mary's Ont.
Westland, Clarence R., Wyoming, Ont.
Beaton, Norman H., St. Catharines, Ont. } equal
Davis, George H., Gananoque, Ont. }
Otty, George N., Hampton, N.B. } equal
Wheaton, Isaac G., Point Midgic, N.B. }
Hay, Norman K., Ottawa, Ont.
McDonald, Harold F., Fort Qu'Appelle, Sask.
Barclay, Malcolm D., Montreal, Que.

Unranked.

Slater, Nicholas J., Ottawa, Ont.

ELECTRICAL ENGINEERING.

Shearer, George W., Westmount, Que.
Woodyatt, James B., Brantford, Ont.
Brown, S. Barton, Ottawa, Ont.
Griffin, Frank F., Winnipeg, Man.
Wright, George R., Salisbury, N.B.
Hargrave, William H., Medicine Hat, Alta.
McCuaig, Stuart J., Montreal, Que.
Hall, Gerald A., Peterboro, Ont.
Macdonald, Robert R., Hamilton, Ont.
Engel, Nathan L., Montreal, Que.
Ross, Douglas G., Toronto, Ont.
Haskell, Ludlow St. J., Montreal, Que.
Macdonald, W. Malcolm B., Rammerscales, Scotland.
Tupper, Frederick M., Westmount, Que.
Williams, Frederick H., East Sherbrooke, Que.
Ewens, W. Sydney, Owen Sound, Ont.

Unranked.

Black, Douglas E., Montreal, Que.
Burr, E. Godfrey, London, Eng.
Little, Wm. D., Morden, Man. (*aegrotat*).

MECHANICAL ENGINEERING.

Gray, J. Seton, Edinburgh, Scotland.
Riddell, Arthur G., Hamilton, Ont.
Munn, D. Walter, Montreal, Que.
Foster, Henry S., Montreal Que.
Whitcomb, Frank O., Smiths Falls, Ont.
Hall, Norman M., Cornwall, Ont.
Killam, Lawrence, Yarmouth, N.S.
Hepburn, Maurice G., Dunmore, Eng.
Benedict, Elmore M., Brantford, Ont.

METALLURGY.

Lathe, Frank E., Lacolle, Que.
Brown, William G., Montreal, Que.
Dickson, Wallace, Westmount, Que.

MINING ENGINEERING.

Strangways, H. F., Montreal, Que.
Sharp, A. Lester, Summerside, P.E.I.
Patterson, Raymond H., Melbourne, Aust.
Haughton, Harold M. S., Kingston, Jamaica.
Macaulay, Rupert M., Scotstown, Que.
Drummond, George D., Midland, Ont.
Dickenson, J. G., New York City, N.Y.

THIRD YEAR

PRIZES.

(In alphabetical order.)

Guillet, George L.—First Mathematical Entrance Prize; First Prize for general proficiency (Dept. of Mechanical Engineering).
Herbert, W. H.—Second Mathematical Entrance Prize; First Prize for general Proficiency (Dept. of Electrical Engineering).
Kerr, Archibald.—First McCarthy Fieldwork Prize.
Kingston, Lawrence B.—Second Prize for general proficiency (Dept. of Civil Engineering).
Parham, John B.—Third Prize in Mathematics.
Read, Herbert W.—First Prize for general proficiency (Dept of Civil Engineering).
Ruttan, Francis N.—First Prize for general proficiency (Department of Architecture).
Sproule, Gordon, St. G.—Second McCarthy Fieldwork Prize.

PASSED THE SESSIONAL EXAMINATIONS.

(In order of merit.)

ARCHITECTURE.

Ruttan, F. N., Winnipeg, Man.
Wood, Alexander C., Westmount, Que.
Mayers, F. L. S., Margate, Hastings, Barbados.

CHEMISTRY.

Dawson, V. E., Ottawa, Ont.
Nicolls, J. H. H., Montreal, Que.
Mohan, R. T., Brockville, Ont.
Hayes, A. O., Granby, Que.
Smith, R. R., Montreal, Que.
Merrill, A. J., Montreal, Que.
*Mackay, R. M., New Glasgow, N.S.

CIVIL ENGINEERING.

Read, Herbert W., Sackville, N.B.
Kingston, Lawrence B., Ottawa, Ont.
Bates, Harry E., Mystic, Conn.
Copp, Walter P., Sackville, N.B.
Lighthall, Abram, Vankleek Hill, Ont.
Baird, J. B., St. John's, Nfld.
Finlayson, J. N., Merigomish, N.S.
*Holloway, E. S., Montreal, Que.
Layton, Shirley T., New Glasgow, N.S. } equal.
Stitt, Ormond N., Ottawa, Ont.
*Emmerson, Robert H., Moncton, N.B.
*Montague, T. M., Galt, Ont.
*Mather, W. A., Kenora, Ont.
*Bradshaw, Walter E., Moncton, N.B.
Graham, J. R., Ottawa, Ont.
Bell, V. H., Kingston, Jamaica.
*Pitts, G. McL., Ottawa, Ont.
*D'Aeth, J. B., Kingston, Jamaica.
*Ballantyne, T. B., Galt, Ont.
*Christie, H. R. M., Ashcroft, B.C.
*Forbes, J. H., Montreal, Que.
*Davis, F. M., Windsor, Ont.
*Cameron, Evan G., London, Ont.
*Eakins, T. M., Toronto, Ont.
*Harris, H. W., Kingston, Jamaica.
*Melhuish, Paul, East Sheen, Surrey, England.

ELECTRICAL ENGINEERING.

Herbert, W. H., Ottawa, Ont.
Vipond, W. S., Montreal, Que.
Perry, K. M., Regina, Sask.
Parham, J. B., Outremont, Que.
*Whyte, H. B., Ottawa, Ont.
*Hodge, C. A., Birchton, Que.
*Dowell, Harry L., Londonderry, N.S.
Spencer, W. H., Montreal, Que.
*Shanks, Albert, Howick, Que.
*Hood, Harry C., Kingston, Surrey, Eng.
*Morrin, A. D., Lachute, Que.
*Raphael, G. S., Ottawa, Ont.
*Ross, Donald, Edmonton, Alta.
*Pease, E. R., Montreal, Que.

MECHANICAL ENGINEERING.

Guillet, G. L., Cobourg, Ont.
Bristol, C. F., Vancouver, B.C.
Davies, H. C., Hull, Que.

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*To take supplemental Examinations.

Cameron, J. S., Stellarton, N.S.
†Killam, George, Yarmouth, N.S.
Whitton, C. F., Hamilton, Ont.
†Callaghan, J. C. Hamilton, Ont.
*Turnbull, K., Montreal, Que.
*Moore, W. J., Hyde Park, Vermont.
*Winslow, E. S., Stratford, Ont.

METALLURGY.

Saunders. C. W. M., Kingston, Jamaica.

MINING ENGINEERING.

Carmichael H. G., Montreal, Que. } equal
Dick, W. J., Nanaimo, B.C. }
*Sproule, G. St. G., Montreal, Que.
*Campbell, E. E., Belmont, P.E.I.
Ross, C. M., Ottawa, Ont.
*Montgomery, E. G., New Richmond, Que.
*Paré, Alphonse H., White Horse, Yukon.
*Brennan, C. V., Summerside, P.E.I.
*Drysdale, C. W., Montreal, Que.
*Kemp, J. C., London, S. W., England.
*Carruthers, K. B., Kingston, Ont.
*Harding, W. K., Derby Line, Vt.

RAILWAYS (*Theory and Practice*).

Brooks, C. E., Grafton, Ont.
*Pratt, A. C. Ottawa, Ont.
*McGuire, G. A., Montreal, Que.
Irwin, R. H., Ottawa, Ont.
*Martin, G. E., Moncton, N.B.
*Estey, J. R. P., St. John, N.B.

SECOND YEAR

PRIZES.

(In alphabetical order.)

Campbell, Wm. B.—Scott Exhibition; First Prize for general proficiency, Chemistry Course.
Dennis, W. M.—Scott Prize of $25.00; Prize for General Proficiency.
Dowswell, Harry R.—Andrew T. Taylor Exhibition of $70.00.
Dwight, Herbert P.—Prize for general Proficiency.
Farnsworth, Charles A.—Second Prize for general proficiency.
Fox, Charles H.—Prize for general proficiency.
Kearney, Graham.—First Prize for general proficiency.
Kennedy, W. Alan.—Prize for general proficiency.
Saliman, Robert T. H.—Prize for general proficiency.

PASSED THE SESSIONAL EXAMINATIONS.

(In order of merit.)

ARCHITECTURE.

*Irwin, J. W., Montreal, Que.
Fetherstonhaugh, H. L., Montreal, Que.
*Dowswell, H. R.,Dutton, Ont.

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*To take supplemental Examinations.
†To take Mechanical Drawing, Summer School.

CHEMISTRY.

Campbell, W. B., Brockville, Ont.
*Cheesbrough, A. G., Westmount, Que.
*Baillie, A. F., Montreal, Que.

OTHER COURSES.

Kearney, G., Renfrew, Ont.
Farnsworth, C. A., Sawyerville, Que.
Dwight, H. B., Picton, Ont.
Fox, C. H., Winnipeg, Man.
Dennis, W. M., O'Leary, P.E.I.
Kennedy, W. A., Owen Sound, Ont. } equal
Sailman, R. T. H., Malvern, Jamaica. }
Coulin, L. A., Montreal, Que.
McLean, D. L., Ottawa, Ont.
Dickieson, A. L., Ottawa, Ont.
Ford, W. S., Winnipeg, Man.
McKinnon, K. R., New Glasgow, N.S.
Stewart, R. B., Strath Gartney, P.E.I.
Gibb, R. J., Caesar's Camp, Wimbledon, Eng.
Stewart, L., Summerside, P.E.I.
Lindsay, A. M., Invercargill, New Zealand.
Menzies, J. W., Ottawa, Ont.
Smith, G. W., Ottawa, Ont.
*Johnston, H. S., Gananoque, Ont.
*Hague, O. C. F., Montreal, Que.
Nairn, J. S., Truro, N.S.
*McNaughton, A. G., Moosomin, Sask.
Ker, F. I., Montreal, Que.
Stansfield, M., Whalley, in Blackburn, Eng.
Soper, A. J., Brockville, Ont.
Price, T. E., Vancouver, B.C.
Robertson, W. S., Westmount, Que.
*Powell, W. H., Little Harbor, N.S.
*Grove, H. S., London, S. W., England.
*Yuill, H. H., Truro, N.S.
Williamson, W. R., Owen Sound, Ont.
*Black, M. W., Windsor, N.S.
*Bambrick, H., Cranbrook, B.C.
*Morison, H. G., Ormstown, Que.
*Stackhouse, C. W., Moncton, N.B.
*Mooney, H. V., Stardale, Ont.
*Goode, J. D., Westmount, Que.
*Sutherland, L. H. D., Montreal, Que.
*Wilson, A., Montreal, Que.
*Burbidge, G. H., Ottawa, Ont.
*Cantley, C. L., New Glasgow, N.S.
*Fraser, A. N., Coaticook, Que.
*Gall, D. M., Lachute, Que.
*Poissant, O. E., Montreal, Que.
*Landry, W. A., Dorchester, N.B.
*Hudson, G. N., Montreal, Que.
*Boyd, G. M., Bobcaygeon, Ont.
*Winslow, R. H., Fredericton, N.B.
*Lumsden, H. A., Ottawa, Ont.
*Macdougall, J. C., Montreal, Que.

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*To take Supplemental Examinations.

FIRST YEAR

PRIZES.

(In alphabetical order.)

Archibald, Max S. E.—First Fleet Prize (Shopwork).
Cowles, Eugene, P.—Prize for general proficiency.
Dennis, T. Clinton.—Second Fleet Prize (Shopwork).
Dowie, Kenneth W.—Prize for general proficiency.
Fowler, Frank S.—Prize for general proficiency.
Harris, Norman C.—First Prize for general proficiency.
McHenry, Morris J.—Second Prize for general proficiency.

PASSED THE SESSIONAL EXAMINATIONS.

(In order of merit.)

ARCHITECTURE.

*Paine, A. J. C., Lower Cove, Nfld.
*Kingston, John L., Ottawa, Ont.
*Payne, S. C., Ottawa, Ont.

OTHER COURSES.

Harris, Norman C., Sandringham, Australia.
McHenry, Morris J., Toronto Junction, Ont.
Fowler, Frank S., Winnipeg, Man.
Dowie, Kenneth W., Lachine, Que.
Cowles, Eugene P., Montreal, Que.
Dennis, T. Clinton, O'Leary Station, P.E.I.
Gilchrist, T. Ernest, Hintonburg, Ont.
McLeod, Allan C. G., Montreal, Que.
Brown, O. N., Newcastle, N.B.
Needham, Robert J., London, Ont.
Sproule, Stanley M., Montreal, Que.
Daubney, J. E., Ottawa, Ont.
Magrath, C. Bolton, Lethbridge, Alta.
Cowley, A. Tom., Winnipeg, Man.
Cox, John R., Montreal, Que.
Kohl, George H., Montreal, Que. } equal
MacLean, Calvin S., St. John, N.B. }
Ewart, Carl, Gretna, Man.
Cole, F. Thornton, Montreal, Que.
Dakin, Fred. W., Westmount, Que.
Narraway, Athos M., Ottawa, Ont.
Cloran, J. Harry, Westmount, Que.
Fregeau, John H., Three Rivers, Que.
*Duguid, A. Fortescue, Aberdeen, Scot.
Clark, A. W. G., Valleyfield, Que.
Daubney, C. B., Ottawa, Ont. } equal
Echenberg, Abraham D., Sherbrooke, Que. }
Ryley, A. St. C., Ottawa Ont.,
*Von Pozer, Charles H., Aubert, Gallion, Que.
*McNab, Lewis G., Montreal, Que.
Wyman, John K., Rockland, Ont.
*McDiarmid, Arch. A., Covey Hill, Que.
*Timberlake, John N., Gananoque, Ont. } equal
Kelly, William L., Halifax, N.S. }

*To take supplemental Examinations.

Dawes, A. S., Montreal, Que.
Beagley, Thomas G., Montreal, Que.
*Vroom, Harold H., St. Stephen, N.B.
*Strong, Horace R. F., Cambria, Que.
*Jackson, Donald A., Montreal, Que.
Stuart, A. G., Buckingham, Que.
*Pope, Maurice A., Ottawa, Ont.
*Hanson, Charles S., Montreal, Que.
*Archibald, Max S. E., Truro, N. S.
*Callander, Delmer W., Guelph, Ont.
*Elkins, Robert H. B., East Orange, N.J. } equal
*Robertson, Edgar D., Ottawa, Ont. }
*Macdonald, J. H., Claresholm, Alta.
*White, Marven, Wheatley, Ont.
*Hollinsed, Richard E. L., Barbados, B.W.I.
*Reid, Archibald C., Winnipeg, Man.
*Fraser, Robert J., Ottawa, Ont.
*Young, W. L., Millsville, N.S. } equal
*Burland, George L., Ottawa, Ont. }
*Donald, Edward D., Westmount, Que. } equal
*Simpson, A. C., Montreal, Que. }
*Reid, R. H., Sault Ste. Marie, Ont.
*Vinet, J. H. Eugene, Montreal, Que.
*Nares, Basil L., Winnipeg, Man.
*Little, Harold R., London, Ont.
*Young, A. A., Selkirk, Man. } equal
*Gemmill, Herbert S., Ottawa, Ont. }
*Derrom, Donald L., Montreal, Que.
Bennet, G. Arthur, New Glasgow, Que.
Penney, Edgar, Carbonnear, Nfld.
Rutherford, John R., Pictou, N.S.
Scott, Oswald H., Toronto, Ont.
*Mackay, Edward, Montreal, Que.
*Gardiner, Samuel N., Chatham, Ont.

STANDING IN THE GENERAL SUBJECTS.

ARCHITECTURAL DESIGN.

Fourth Year.—*Class I.*—None. *Class II.*—None. *Class III.*—Robb, Shorey.
Third Year.—*Class I.*—Wood, Ruttan, Mayers, *Class II.*—None.
Second Year.—*Class I.*—Irwin, Dowswell. *Class II.*—Harthan, Fetherstonhaugh.

ARCHITECTURAL DETAIL.

Fourth Year.—*Class I.*—None. *Class II.*—Shorey. *Class III.*—Robb.
Third Year.—*Class I.*—Wood, Ruttan, Mayers. *Class II.*—None. *Class III.*—None.
Second Year.—*Class I.*—Irwin, Dowswell. *Class II.*—Harthan, Fetherstonhaugh.

ARCHITECTURAL DRAUGHTSMANSHIP.

Fourth Year.—*Class I.*—None. *Class II.*—Shorey. *Class III.*—Robb.

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*To take Supplemental Examinations.

ARCHITECTURAL DRAWING.

First Year.—Class I.—Paine, (A.S.C.), Payne, Kingston. *Class II.*—Stuart, Blanchard.

ESSAYS.

Fourth Year.—Class I.—Robb. *Class II.*—Shorey.
Third Year.—Class I.—Wood, Ruttan, Mayers.

ARCHITECTURE (HISTORY OF).

Fourth Year.—Class I.—None. *Class II.*—Shorey. *Class III.*—Robb.
Third Year.—Class I.—Wood, Ruttan, Mayers. *Class II.*—None. *Class III.*—None.
Second Year.—Class I.—Irwin, Dowswell. *Class II.*—Harthan, Fetherstonhaugh.

ARCHITECTURE (ORNAMENT).

Third Year.—Class I.—Wood, Ruttan, Mayers.
Second Year.—Class I.—Irwin. *Class II.*—Fetherstonhaugh, Dowswell.

ARCHITECTURE (THEORY AND EVOLUTION OF).

Second Year.—Class I.—Irwin. *Class II.*—Fetherstonhaugh, Dowswell.

ASSAYING (FIRE).

Third Year.—Class I.—Sproule and Yuill, equal. *Class II.*—Kemp, Paré; Campbell and Ross, equal; Dick, Carruthers; Carmichael and Montgomery, equal. *Class III.*—Porter, Harding, Saunders, Gilmour.

BUILDING CONSTRUCTION.

Second Year.—Class I.—Irwin, Dowswell. *Class II.*—Fetherstonhaugh. *Class III.*—Harthan.

CHEMISTRY (ELECTRO).

Fourth Year.—Class I.—Griffin and Macdonald (W. M. B.), equal; Shearer, Woodyatt. *Class II.*—Black and Macdonald (R. R.), equal; Haskell and Ross, equal; Brown and Hargrave, equal; Burr. *Class III.*—Engel, Hall, Williams.

CHEMISTRY (ELEMENTARY).

Second Year.— Class I.—Johnston; Dwight and Kearney, equal; Farnsworth and Ford, equal; Coulin and Kennedy (W. A.), equal; Dennis and McLean, equal. *Class II.*—Lindsay; Fox and Smith, equal; Stewart (R. B.), Ker, Menzies, Stewart (L.); Hague and McKinnon and Sailman, equal; Edwards; Burbidge and Russell, equal; Gibb and Soper, equal; Bambrick and Grove, equal; Cantley and Dickieson, equal. *Class III.*—Stansfield; McNaughton and Morison and Nairn, equal; Goode and Maver, equal; Williamson; Day and Sutherland, equal; Black and Robertson, equal; Bregent and Halliday, equal; Fraser; Cook and Hudson and Townshend, equal; Gall and McDougall, equal; Manny and Stackhouse, equal; Boyd and Poissant and Winslow, equal; LaForest and Slingsby and Wilson, equal; Porter, Vessot, Buttenshaw, Lumsden.

CHEMISTRY (CHEM. COURSE).

Second Year.—Class I.—None. *Class II.*—Campbell, Cheesbrough. *Class III.*—Descarries, Baillie. Passed unclassed.—Letourneau.

CHEMISTRY (INDUSTRIAL).

Third Year.—Class I.—None. *Class II.*—Mohan, Nicolls, Smith. *Class III.*—Dawson and Saunders, equal; Hayes and Merrill, equal.

CHEMISTRY (METALLURGY COURSE).

Fourth Year.—Class I.—Dickson. *Class II.*—None. *Class III.*—None.

CHEMISTRY (MINERAL ANALYSIS).

Fourth Year.—Class I.—Elliott, Wilson. *Class II.*—None. *Class III.*—Spafford.

CHEMISTRY (MINING COURSE).

Fourth Year.—Class I.—Strangways, Haughton, Patterson. *Class II.*—Sharp; Dickenson and Drummond, equal; Macaulay. *Class III.*—None.

CHEMISTRY (ORGANIC).

Third Year.—Class I.—Mohan. *Class II.*—Nicolls. *Class III.*—Smith, Hayes; Dawson and Merrill, equal.

CHEMISTRY (MINERAL ANALYSIS).

Fourth Year.—Class I.—Wilson, Elliott. *Class II.*—Spafford. *Class III.*—None.

CHEMISTRY (PHYSICAL).

Fourth Year.—Class I.—None. *Class II.*—Wilson, Elliott. *Class III.*—Spafford.

CHEMISTRY (PRACTICAL PHYSICAL).

Fourth Year.—Class I.—Elliott, Wilson. *Class II.*—Spafford. *Class III.*—None.

CHEMISTRY (PRACTICAL ORGANIC).

Third Year.—Class I.—Mohan. *Class II.*—Nicolls; MacKay and Smith, equal; Hayes and Dawson, equal; Merrill. *Class III.*—None.

DESCRIPTIVE GEOMETRY.

Third Year.—(Architectural Course).—Class I.—Wood, Ruttan, Mayers. *Class II.*—None. *Class III.*—None.

Third Year.—(Civil Engineering).—Class I.—Bates, Copp, Read. *Class II.*—Emmerson, Kingston; Baird and Holloway and Layton and Pitts, equal; Bradshaw, Lighthall, Finlayson, Ballantyne. *Class III.*—Mather and Stitt, equal; Bell, D'Aeth; Kerr and Melhuish, equal; Davis and Manny, equal; Harris; Baylis and Montague, equal; Christie; Eakins and Forbes, equal; Cameron and Graham, equal.

First Year.—(Civil Engineering).)—Class I.—Brown and Carr and Cowles and Cowley and Dakin and Dennis and Dowie and Duguid and Echenberg and Fowler and Harris and McNab and

Magrath and Narraway and Paine and Ryley and Simpson and Sproule and Strong and Stuart, (A. G.) and Young, (W. L.), equal; Vinet and White, (M.), equal; Clark and Fregeau and Kingston and MacLean and Vroom, equal; Ayer and Cole and Cox and Daubney, (J. E.) and Henry and Kohl and MacDiarmid and McHenry and McLeod and Needham and Pope, equal; Cloran and Donald and Ewart and Tremblay and Von Pozer, equal; Stark; Hanson and Robertson, equal; Derrom and Reid, (R. H.), equal. *Class II.*—Archibald and Burland and Daubney, (C. B.) and Head and Riendeau and Timberlake equal; Callander and Dawes and Elkins and Gilchrist and Kelly and Leggett, equal; Beagley and Jackson and MacDonald and Macrae and Reid (A. C.) and Young (A. A.), equal; Biggar and Fox and Little and Scott, equal; Alford; Bisson and Garthshore and Wyman, equal. *Class III.*—Fraser and Gemmill and Goodstone and Nares and Payne, equal; Millican and Stevenson, equal; Macfarlane; Halliday and Hollinsed and Stuart, (C. G.), equal; Skelton; Cairns and Gladman and Haultain and Jones and Mackintosh and Sclater and White, (J. A. G.), equal; *Passed.*—Bennett and Penney and Rutherford, equal.

DESIGNING.

Fourth Year.—(*Civil Engineering Course*).—*Class I.*—Bell, Lamb, Miller. *Class II.*—Gamble and McCallum, equal; Black and Otty and Racey, equal; Brown, (W. G. B.), Wilson, Harrington; Hay and Mathieson, equal; Wheaton. *Class III.*—Beaton and McDonald, (H. F.), equal; Canfield, Howe, Macklem, Davis, Westland, Pickard, Barclay.

Fourth Year.—(*Mechanical Engineering Course.*).—*Class I.*—None. *Class II.*—Gray, Riddell; Foster and Killam, equal; Munn. *Class III.*—Hall, Whitcomb; Benedict and Norton, equal; Maxwell, Hepburn.

Fourth Year.—(*Mining Engineering Course*).—*Class I.*—Lathe, Strangways. *Class II.*—Brown, Macaulay, Dickson, Sharp, Patterson, Drummond, Haughton. *Class III.*—Dickenson.

DYNAMICS OF MACHINES.

Fourth Year.—(*Mechanical Engineering Course*).—*Class I.*—None. *Class II.*—Foster, Killam, Hall, Riddell, Munn, Gray, Whitcomb, Hepburn. *Class III.*—Benedict, Maxwell.

Third Year.—(*Mechanical and Electrical Engineering Courses*).—*Class I.*—Guillet, Herbert, Cameron, Vipond, Killam, Parham. *Class I.*—Shanks, Turnbull, Whitton, Davies, Perry, Bristol. *Class III.*—Hodge and Seely and Spencer, equal; Ross; Morrin and Dowell, equal; Cowan and Robertson and Winslow, equal; Hood, Callaghan, Whyte; Lundy and Moore, equal; Pease and Raphael, equal.

ECONOMICS.

Third Year.—(*Transportation Course*).—*Class I.*—None. *Class II.*—Brooks. *Class III.*—McGuire, Irwin, Pratt, Estey, Martin.

ELECTRICAL ENGINEERING (A. C. MACHINERY).

Fourth Year.—*Class I.*—Shearer, Woodyatt. *Class II.*—Black and Burr, equal; Brown. *Class III.*—Griffin and Ross, equal; Hargrave, Wright; Hall and McCuaig, equal; Engel and Macdonald (R. R.), equal; Haskell and Macdonald (W. M. B.), equal; Ewens and Tupper, equal.

ELECTRICAL ENGINEERING (A. C. LABORATORY).

Fourth Year.—*Class I.*—Brown and Black, equal; Burr; Hall and Woodyatt, equal. *Class II.*—Griffin and Macdonald (R. R.), equal; Haskell and Shearer and Hargrave, equal; Ross and Wright and Williams, equal. *Class III.*—Tupper and Engel and McCuaig and Macdonald (W. M. B.), equal; Batchelder and Dibblee and McWilliam and Ewens, equal.

ELECTRICAL ENGINEERING (C. C. MACHINERY).

Third Year.—(*Electrical Course*).—*Class I.*—Herbert, Whyte. *Class II.*—Perry; Morrin and Vipond, equal; Hodge; Hood and Parham and Dowell, equal. *Class III.*—Shanks, Archibald, Lundy, Ross, Spencer, Pease, Raphael.

(*Mechanical Course*).—*Class I.*—None. *Class II.*—Guillet, Bristol, Turnbull. *Class III.*—Whitton, Davies, Killam, Crocker, Robertson, Winslow, Cowan, Cameron, Callaghan, Moore, Zimmerman, Barclay, Murphy.

ELECTRICAL ENGINEERING (C. C. LABORATORY).

Third Year.— (*Electrical Course*).—*Class I.*—Herbert, Vipond. *Class II.*—Perry, Morrin, Hodge, Raphael, Parham, Hood, Dowell. *Class III.*—Whyte, Shanks, Pease, Spencer, Lundy, Ross, Archibald, Slavin.

(*Mechanical Course*).—*Class I.*—Guillet, Turnbull, Bristol. *Class II.*—Davies, Cowan, Cameron, Robertson. *Class III.*—Crocker, Whitton, Winslow, Murphy, Moore, Callaghan, Killam, Cutten, Mackay, Zimmerman.

ELECTRICAL ENGINEERING (DYNAMO DESIGN).

(In Alphabetical Order.)

Fourth Year.—Batchelder, Black, Brown, Burr, Dibblee, Engel, Ewens, Griffin, Hall, Hargrave, Haskell, Little, McCuaig, MacDonald (R. R.), Macdonald (W. M. B.), McWilliam, Ross, Shearer, Tupper, Woodyatt, Wright.

ELECTRIC LIGHTING AND POWER DISTRIBUTION.

Fourth Year.—*Class I.*—Shearer, Burr, Black. *Class II.*—Woodyatt, Macdonald (R. R.), Brown, Little; Engel and McCuaig, equal. *Class III.*—Hall, Wright, Hargrave, Griffin, Haskell; Ewens and Tupper, equal; Dibblee, Macdonald (W. B. M.); Williams and Ross, equal.

ELECTRICAL MEASUREMENTS (LABORATORY).

Third Year.—*Class I.*—Herbert and Hodge, equal; Briegel and Vipond, equal; Perry; Scott and Dowell, equal; Shanks and Parham, equal; Spencer and Seely and Ross, equal. *Class II.*—Hood, Whyte, Morrin; Pease and Raphael, equal; Archibald. *Class III.*—Lundy, Ayer; Black and Paulsen, equal.

ELECTRICAL MEASUREMENTS (THEORY).

Third Year.—*Class I.*—Black, Vipond; Herbert and Whyte, equal. *Class II.*—Morrin, Dowell, Perry, Parham. *Class III.*—Hodge and Shanks and Spencer, equal; Hood and Slavin, equal; Archibald, Scott, Seely; Lundy and Pease, equal; Raphael.

ENGLISH (ARCHITECTURAL COURSE).

First Year.—*Class I.*—None. *Class II.*—Paine. *Class III.*—Kingston, Payne.

FREEHAND DRAWING.

Third Year.—(*Architectural Course*).—*Class I.*—Wood, Ruttan. *Class II.*—Mayers. *Class III.*—None.
Second Year.—(*Architectural Course*).—*Class I.*—Harthan, Irwin. *Class II.*—Fetherstonhaugh, Dowswell.
First Year.—(*Architectural Course*).—*Class I.*—Stuart. *Class II.*—Paine, Payne, Kingston, Guerin. *Class III.*—Blanchard.

FREEHAND DRAWING.

(In alphabetical order.)

First Year.—Alford, Archibald, Armstrong, Ayer, Barlow, Beagley, Bennet, Biggar, Bisson, Brown, Burland, Cairns, Callander, Cardinal, Carr, Carroll, Clark, Cloran, Cole, Cowles, Cowley, Cox, Crockett, Dakin, Daubney (C. B.), Daubney (J. E.), Daw, Dawes, Dennis, Derrom, Dobson, Donald, Dowie, Duguid, Echenberg, Elkins, Ewart, Fitzpatrick, Fowler, Fox, Fraser, Fregeau, Gall, Gartshore, Gemmill, Gilchrist, Gladman, Goodstone, Halliday, Hanson, Harris, Haultain, Head, Henry, Hollinsed, Jackson, Jones, Kelly, Kohl, Leggett, Legris, Little, McCammon, MacDiarmid, Macdonald, Macfarlane, McHenry, Macintosh, MacLean, McLeod, McNab, Macrae, Magrath, Martin, Mather, Millican, Munro, Nares, Narraway, Needham, O'Keefe, Pearce, Penny, Pinsler, Pope, Powis, Reid (A. C.), Reid (R. H.), Riendeau, Robertson, Rutherford, Ryley, Sclater, Scott, Seath, Simpson, Skelton, Sproule, Stark, Stevenson, Strong, Stuart, Timberlake, Tremblay, Turnbull, Vinet, Von Pozer, Vroom, White (J. A.), White (M.), Wyman, Young (A. A.), Young (W. L.).

FREIGHT SERVICE.

Class I.—Martin, Brooks. *Class II.*—Pratt; Estey and McGuire, equal; Irwin. *Class III.*—None.

FRENCH.

First Year.—(*Architectural Course*).—*Class I.*—None. *Class II.*—None. *Class III.*—Paine, Kingston.

GAS ANALYSIS.

Third Year.—(*Chemistry Course*).—*Class I.*—Dawson. *Class II.*—Hayes, Nicholls; Merrill and Smith, equal. *Class III.*—Mohan, Mackay.

GEODESY.

Fourth Year.—*Class I.*—Lamb, Bell. *Class II.*—Harrington, Gamble, Beaton, Westland. *Class III.*—Davis, Racey, Black, Wheaton, Morrow, Miller, Hay, Wilson, Otty; Barclay and Brown (L. O.) and Brown (W. G. B.) and Canfield and Howe and Macklem and Mathieson and McDonald and McCallum and Pickard, equal.

GEODETIC FIELDWORK.

Fourth Year —Class I—Bell, Lamb, Gamble. *Class II.*—Davis and Harrington, equal; Hay, Miller; Beaton and Macklem and Mathieson, equal; McCallum; Brown (W. G. B.) and Racey, equal; Black; Howe and Morrow, equal; Barclay, Wheaton, Otty. *Class III.*—Pickard and Wilson, equal; Canfield, McDonald, Brown (L. O.), Westland.

GEODETIC LABORATORY.

Fourth Year.—Class I.—Lamb, Bell. *Class II.*—Gamble and McCallum equal; Brown (W. G. B.) and Miller, equal; Otty; Morrow and Pickard and Westland and Wilson, equal; Hay, Howe; Mathieson and Racey, equal; Harrington. *Class III.*—Davis and McDonald, equal; Wheaton; Barclay and Beaton and Black and Canfield, equal; Brown (L. O.), Macklem.

GEOLOGY.

Third Year —Class I.—Kingston and Bates, equal; Carmichael, Read, Brennan; Dawson and Sproule, equal. *Class II.*—Drysdale; Montague and Mohan and Merrill, equal; Finlayson and Layton and Holloway, equal; Phillips and Nicholls and Smith, equal; Baird and Forbes, equal; Graham and Montgomery, equal; Hayes and Dick and Younger, equal; Ballantyne and Pitts, equal; Saunders and Davis, (F. M.) and Lighthall, equal; Emmerson and Bradshaw and D'Aeth and Carruthers and Bell and Mather, equal; Copp and Stitt, equal; Ross and MacKay and Cameron, equal; Baylis; Campbell and Christie and Paré and Eakins, equal. *Class III.*—Kerr and Allan, equal; Harding; Harris and Goodchild, equal; Scovil, Gilmour, Melhuish, Ryan.

GEOLOGY AND ORE DEPOSITS.

Fourth Year.— (Mining).—Class I.—Strangways, Patterson. *Class II.*—Macaulay, Haughton, Sharp, Phillips. *Class III.*—Drummond, Dickenson.

GRAPHICAL STATICS.

Third Year.—(Civil and Transportation).—Class I.—Lighthall, Read; Bentley and Copp, equal; Kingston. *Class II.*—Layton, Bradshaw; Ballantyne and Holloway, equal; Bates, Brooks; Cameron and Grahame (J. R.) and Martin, equal; Baird, D'Aeth, Eakins, Christie. *Class III.*—Montague, Pitts; McGuire and Stitt, equal; Bell; Emmerson and Scovil, equal; Allan and Estey and Finlayson and Irwin and Mather and Pratt, equal; Kerr, Forbes, Melhuish; Davis (F. M.) and Goodchild, equal.
(Electrical, Mechanical and Mining Course).—Class I.—Perry, Herbert; Sproule and Guillet, equal; Whyte, Killam, Kemp. *Class II.*—Vipond, Bristol, Pease; Brennan and Shanks and Turnbull, equal; Dowell, Davies (H. C.), Russell; Campbell and Paré and Whitton, equal; Callaghan; Hood and Seely, equal; Dick. *Class III.*—Dickson and Montgomery, equal; Cameron and Moore, equal; Harding and Hodge, equal; Crocker (C. M.), Ross, Spencer, Parham, Carruthers, Lundy, Carmichael, Drysdale; Cutten and MacKay and Ross and Winslow and Zimmerman, equal.

HYGIENE (ARCH. COURSE).

Fourth Year.—Class I.—None. *Class II.*—Robb, Shorey. *Class III.*—None.
Third Year.—Class I.—None. *Class II.*—Wood, Mayers. *Class III.*—Ruttan.

HISTORY (ARCH. COURSE).

First Year.—*Class I.*—None. *Class II.*—Paine, Dowswell, Kingston. *Class III.*—Blanchard, Payne.

HYDRAULICS (HYD. LAB. AND HYD. MACH.).

Fourth Year.—(*Civil, Electrical and Mechanical Courses*).—*Class I.*—Bell, Lamb; Black and Gray and Wright, equal. *Class II.*—Munn, Hall (N. M.), Whitcomb; Hepburn and Riddell, equal; Killam and Racey, equal; Foster; Brown (W. G. B.) and Gamble and Harrington, equal. *Class III.*—Macklem, Davis; McCuaig (S.) and Mathieson, equal; Beaton and Miller, equal; Maxwell and Westland, equal; McCallum and Wheaton and Wilson, equal; McWilliam, Barclay (M.D.), Benedict; Ewens and McDonald (H. F.), equal; Howe, Batchelder; Hay and Otty, equal; Canfield and Tupper, equal.

(*Electrical Option*).—*Class I.*—Woodyatt, Shearer. *Class II.*—Griffin, Brown (S. B.) and Hall (G. R.) and Hargrave, equal. *Class III.*—Williams, Engel, Macdonald (R. R.); Burr and Ross, (D. G.), equal; Haskell, Macdonald (W. M. B.).

(*Mining Option*).—*Class I.*—None. *Class II.*—Strangways. *Class III.*—Drummond, Patterson, Haughton; Sharp and Macaulay, equal; Dickenson.

LABORATORIES.

Fourth Year.—*Chemical Laboratories.*—(*Chemical Course*).—*Class I.*—Wilson, Elliott, Spafford. *Class II.*—None. *Class III.*—None.

Fourth Year—(*Metallurgy Course*).—*Class I.*— Dickson. *Class II.*—None. *Class III.*—None.

(*Mining Course*).—*Class I.*—Patterson, Haughton. *Class II.*—Dickenson and Drummond and Macaulay, equal; Sharp and Strangways, equal. *Class III.*—None.

Third Year.—(*Chemistry Course*).—*Class I.*—Nicolls. *Class II.*—Hayes Mohan, Smith, Merrill, Dawson. *Class III.*—MacKay. (*Metallurgy Course*).—*Class I.*—Werner. *Class II.*—None. *Class III.*—None. (*Mining Course*).—*Class I.*—Sproule; Carmichael and Dick, equal. *Class II.*—Kemp and Montgomery, equal; Drysdale and Gilmour, equal; Brennan and Campbell, equal; Paré, Harding. *Class III.*—Ross, Carruthers.

Second Year.—(*Civil, Electrical and Mechanical Courses*).—*Class I.*—McLean; Johnston and Soper, equal; Farnsworth and Fraser, equal; Smith and Dwight and Mooney and Stewart (L.), equal; Hudson and Nairn, equal; Coulin and Grove and Kennedy (W. A.) and Cantley and Fox and Kearney and McKinnon, equal; Dickieson and Hague and Cook and McDougall and Morison, equal; Bambrick and LaForest and Lindsay and Poissant and Tanner and Stackhouse, equal. *Class II.*—Black and McNaughton and Vessot, equal; Ford and Gibb and Ker and Landry and Robertson and Maver and Slingsby, equal; Buttenshaw and Dennis and Wilson and Porter and Stewart (R. B.) and Williamson, equal; Bregent and Gall, equal; Lumsden and Russell and Sutherland, equal; Sailman; Meyerstein and Winslow, equal; Day and Goode and Stevenson, equal; Ekers; Best and Burbidge and Gooding and Baldwin, equal. *Class III.*—Edwards and Graham, (D. F.) and Townshend, equal; Stansfield, Menzies; Boyd and Paulsen, equal; Venables, Byrne, Delgado.

Second Year.—(*Chemistry Course*)—*Class I.*—Baillie, Campbell, Cheesbrough. *Class II*—Descarries. *Class III.*—None.

(*Qualitative Analysis, Pract. Chem. Course*) —*Class I.*—Campbell; Cheesbrough and Descarries, equal; Letourneau. *Class II.*—Baillie. *Class III.*—None.

Fourth Year.—(*Mechanical Eng. Lab.*)—*Class I.*—Hargrave and McCuaig and Williams, equal. *Class II.*—Engel and Griffin and McWilliams, equal; Hall and Ross (D. G.), equal; Shearer; Macdonald (R. R.) and Dibblee, equal; Brown (S. B.); Haskell and Wright, equal. *Class III.*—Woodyatt, Ewens; Macdonald and Tupper, equal.

Third Year.—(*Mech. Eng. Lab.*) *Class I.*—Bristol, Cameron. *Class II.*—Winslow, Cutten, Davies, Killam, Whitton. *Class III.*—Callaghan, Turnbull, Murphy, Robertson, Cowan; Guillet and Zimmerman, equal; MacKay.

Fourth Year.—(*Metallurgical Lab.*)—*Class I.*—Brown (W. G.) and Lathe, equal; Dickson.

Third Year.—*Class II.*—Werner. *Class III.*—Saunders.

Fourth Year.—(*Ore-Dressing Lab.*)—*Class I.*—Patterson. *Class II.*—Dickenson, Strangways, Haughton, Drummond, Macaulay, Sharp.

Second Year.—(*Physical Lab.*).—Farnsworth and Fox and Kearney, equal; Dickieson and Dwight, equal; Johnston and Menzies and Price and Stewart, equal; Kennedy, (W. A.) and Lindsay and Sailman and McNaughton, equal; Dennis and Smith, equal; Ford and Mooney, equal; Campbell and McKinnon and Robertson and Stackhouse, equal; Nairn and Yuill, equal; Best and Burbidge and Hague and Stansfield and Stewart, (R .B.), equal; Cantley and McLean, equal; Bambrick and Fraser and Gall and Hudson and Carr and Rider and Wilson and Baldwin, equal; Cheesbrough and Ekers and Goode and Lumsden and McLachlin and Townshend equal; Baillie and Black and Buttenshaw and McDougall and Raymond and Winslow, equal; Porter; Gibb and Sutherland and Tanner, equal; Boyd and Grove and Stevenson and Vessot, equal; Byrne and Day and Gooding and Morison, equal; Coulin and Maver and Russell, equal; Bregent and Cook and Slingsby and Williamson and Wood, equal; Delgado and Edwards and Landry and Laforest, equal.

First Year.—(*Physical Lab.*).—McHenry, McLeod; Cole and Derrom and Fox and Needham and Head, equal; Dowie and Fowler and Harris and Legris and Wyman, equal; Callander and Cowles and Daubney (C. B.) and Hanson and Robertson and White (M.), equal; Brown and Archibald and Cairns and Carroll and Cowley and Dennis and Gartshore and Gladman, equal; Beagley and Cox and Dakin and Daubney (J. E.) and Dobson and MacDiarmid and Pearce and Turnbull, equal; Clark and Cloran and Kohl and Magrath and Munro and Simpson and Skelton and Vinet and Vroom, equal; Armstrong and Ayer and Crockett and Fregeau and Little and McLean and McNab and Martin and Millican and Nares and Von Pozer, equal; Alford and Cardinal and Donald and Halliday and Henry, equal; Biggar and Duguid and Echenberg and Ewart and Fitzpatrick and Gemmill and Haultain and Riendeau and Sproule and Strong and Stuart and Timberlake, equal; Daw and Elkins and Fraser and Jackson and Kelley and McCammon, equal; Bisson; Dawes (A. S.) and Gall and Gilchrist and Macrae and Scott, equal; Ryley; Macdonald and Seath, equal; Macfarlane and Pope and Reid, (R.H.) and Stevenson and Young and Narraway and Burland, equal; Hollinsed and Powis and Sclater and White, (J. A.) and Williams, (F. G. M.), equal; Mackintosh; Mather and Pinsler, equal; Brosseau and Reid (A. C.), equal.

Third Year.—(*Testing Lab.*).—*Class I.*—Read; Bates and Copp and Herbert, equal; Guillet and Perry, equal; Bristol and Cameron (J. S.) and Kingston and Vipond, equal; Callaghan and Holloway and Killam and Stitt and Whyte, equal. *Class II.*—Turnbull; Carruthers and Drysdale and Emmerson and Grahame and Hodge and Kemp and Montague, equal; Davis (F.M.) and Mulock and Pitts and Ross (C.M.) and Sproule and Whitton, equal; Baird and Bell and D'Aeth and Davies (H. C.) and Dowell and Finlayson and Harding and Hood and Murphy and Parham and Shanks, equal; Ballantyne and Cameron (E. G.) and Crocker and Dick and Eakins and Harris and Layton and Pease and Saunders and Russell, equal. *Class III.*—Brennan and Campbell and Carmichael and Cutten and Kerr and Lighthall and Mather and Montgomery and Younger, equal; Archibald and Bradshaw and Ross (D.) and Thorne and Winslow and Seely, equal; Christie and Forbes and Melhuish and Moore and Spencer, equal; Baylis and Goodchild and Lundy and Paré and Robertson and Slavin and Zimmerman and Briegel, equal; Mackay and Scovil, equal.

Fourth Year.—(*Thermodynamic Lab.*)—*Class I.*—None. *Class II.*—Munn and Riddell, equal; Whitcomb, Gray. *Class III.*—Killam, Norton, Foster, Hepburn, Benedict, Hall.

LETTERING.

(In alphabetical order.)

First Year.—Alford, Archibald, Armstrong, Ayer, Barlow, Beagley, Bennet, Biggar, Bisson, Brown, Burland, Cairns, Callander, Cardinal, Carr, Carroll, Clark, Cloran, Cole, Cowles, Cowley, Cox, Crockett, Dakin, Daubney, (C. B.), Daubney, (J. E.), Daw, Dawes, Dennis, Derrom, Dobson, Donald, Dowie, Duguid, Echenberg, Elkins, Ewart, Fitzpatrick, Fowler, Fox, Fraser, Fregeau, Gall, Gartshore, Gemmill, Gilchrist, Gladman, Goodstone, Halliday, Hanson, Harris, Haultain, Henry, Hollinshed, Jackson, Jones, Kelly, Kohl, Legris, Little, McCammon, McDiarmid, McDonald, Macfarlane, McHenry, Mackintosh, MacLean, McLeod, McNab, Macrae, Magrath, Martin, Mather, Millican, Munro, Nares, Narraway, Needham, O'Keeffe, Pearce, Penney, Pinsler, Pope, Powis, Reid (A. C.), Reid (R. H.), Riendeau, Robertson, Rutherford, Ryley, Sclater, Scott, Seath, Simpson, Skelton, Sproule, Stark, Stevenson, Strong, Stuart, Timberlake, Tremblay, Turnbull, Vinet, Von Pozer, Vroom, White (J. A. G.), White (Marven), Wyman, Young (A. A.), Young (W. L.).

MACHINE DESIGN.

Fourth Year.—(*Electrical Engineering Course*).—*Class I.*—Woodyatt, Shearer, Griffin. *Class II.*—McCuaig. *Class III.*—Macdonald (R. R.) and Wright, equal; Little, Brown, Tupper; Ross and Burr, equal; Hargrave; Batchelder and Macdonald (W. M. B.), equal; Ewens; Engel and Williams, equal. (*Mechanical Engineering Course*).—*Class I.*—Riddell, Foster, Gray. *Class II.*—Hall (N. M.), Whitcomb, Killam. *Class III.*—Munn, Hepburn, Benedict.

Third Year.—*Class I.*—Herbert, Killam. *Class II.*—Whyte; Perry and Vipond, equal; Bristol; Dowell and Whitton, equal; Cameron and Parham, equal; Guillet, Winslow; Ross and Slavin, equal.—*Class III.*—Crocker, Hodge; Callaghan and Murphy and Spencer, equal; Barclay, Lundy; Moore and Shanks and Turnbull, equal; Hood and Raphael, equal; Cowan and Davies, equal; Morrin, Mulligan, Robertson.

MAPPING AND DRAWING.

Third Year.—(*Civil Engineering Course*).—*Class I.*—Pitts and Read, equal; Mather, Bates, Kingston. *Class II.*—Emmerson, Baird, Copp, Montague, Lighthall, Stitt, Christie; Bradshaw and Forbes and Layton, equal; Finlayson and Holloway and Kerr, equal; Melhuish; Ballantyne and Cameron, equal; Davis and Eakins, equal; Bell. *Class III.*—D'Aeth, Manny, Thorne, Harris, Goodchild, Scovil.

Third Year.—(*Mining Engineering Course*).—*Class I.*—Sproule. *Class II.*—Dick and Drysdale, equal; Paré, Kemp; Carmichael and Carruthers and Ross, equal; Montgomery. *Class III.*—Campbell, Brennan, Harding, Gilmour. (*Transportation Course*).—*Class I.*—None. *Class II.*—Estey, Brooks, Martin, Pratt. *Class III.*—McGuire, Irwin.

MAPPING.

Second Year.—*Class I.*—Fox; Farnsworth and Price, equal; Johnston, Lindsay; Kearney and McDougall, equal. *Class II.*—Black and Dwight and Grove and Williamson, equal; Dennis and McLean and Venables, equal; Allen and Coulin and Nairn and Robertson and Wood and Hudson and Irwin, equal; Fraser and Mooney and Stewart (L.) and Yuill, equal; Carr and Stackhouse, equal; Dowswell and Kennedy (W.A.) and Menzies and Sailman, equal; Briggs and Ford and Galbraith and Hilborn and McKinnon and Morison and O'Neill and Stewart (R. B.), equal; Powell and Rider and Soper and Townsend and Fetherstonhaugh, equal; Dickieson and Hague and McNaughton and Ritchie and Scott and Best, equal; Burbidge and Goode and Stansfield, equal. *Class III.*—Bowman and Dion and Ekers and Gibb and Maver, equal; Binks and Bronson and Byrne and Cantley and Edwards and Raymond, equal; Boyd and Cook and Harthan and Ker and Leggett and Smith and Stevenson and Tanner and Wilson, equal; Baldwin and Bambrick and Delgado and Sutherland, equal; Gall and Landry and Meyerstein and Vessot and Winslow, equal; Buttenshaw; Graham (H. M.) and Gardiner and Porter, equal; Bregent and Cate and LaForest, equal; Day; Paquet and Poissant and Ross and Sanderson and Slingsby, equal.

MATERIALS OF CONSTRUCTION.

Second Year.—*Class I.*—Lindsay, Kearney, Farnsworth, Sailman; Coulin and Dennis and Dwight and Goode and Yuill, equal; Stewart (L.), Grove; Johnston and McLean and Price, equal. *Class II.*—Edwards and Stansfield, equal; Kennedy (W. A.), Dickieson; Carr and Rider, equal; Stackhouse; Cantley and Ford and Robertson, equal; Hudson and Powell, equal; Fox and Gibb, equal; Slingsby; McKinnon and Soper, equal; Stewart (R. B.), Menzies, Nairn; Black and Morison, equal; Best, Ker; Hague and Wood, equal; Fraser and Smith, equal. *Class III.*—Burbidge and Williamson, equal; Baldwin; Bambrick and Gall and Vessot, equal; Bregent and Cook and Maver, equal; McNaughton and Winslow, equal; Stevenson, Raymond; Boyd and Buttenshaw and Delgado, equal; Lumsden and Tanner, equal; Day, McDougall; Landry and Poissant, equal; Sutherland; Mooney and LaForest, equal.

MATHEMATICS.

Third Year.—(*Calculus and Analytical*).—*Class I.*—Read, Vipond, Guillet, Moore, Copp, Killam, Lighthall, Kingston, Strangways. *Class II.*—Davies, Bristol, Carmichael, Bell, Parham, Stitt, Dick, Harding. *Class III.*—Harris; Callaghan and Shanks, equal; Layton; Baird and Mulligan, equal; Campbell and Herbert, equal; Bates, Irwin; Finlayson and Ross (C. M.) and Whitton, equal; Kemp, Hodge, Spencer, Brooks; Cameron (J. S.) and Forbes and Morrin, equal; Kerr; Pitts and Raphael and Turnbull, equal; D'Aeth and Gilmour and Graham and McGuire and Pease and Perry, equal. (*Mechanics*).—*Class I.*—Guillet and Read, equal; Lighthall, Bristol, Vipond, Kingston. *Class II.*—Herbert; Carmichael and Perry, equal; Irwin and Parham, equal; Cameron (J. S.), Davies (H. C.), Layton; Finlayson and Graham, equal; Brooks, Whitton; Harris and Stitt, equal. *Class III*—Montague, Holloway; Baird and Copp, equal; Shanks, Whyte; Callaghan and Paré, equal; Morrin; Pease and Pratt, equal; Moore and Sproule and Strangways, equal; Dick and Kerr and Ross, equal; Ballantyne and Bell, equal; Davis (F. M.) and Montgomery, equal; Spencer; Cameron (E. G.) and Campbell and Eakins and Estey and Kemp and Morrow and Murphy and Pitts and Raphael and Turnbull and Winslow, equal.

Second Year.—(*Analytical Geometry*).—*Class I.*—Dwight, Sailman, Farnsworth, Kearney, Fox, Campbell, Dennis. *Class II.*—Coulin and Dickieson, equal; McNaughton, Stewart (R. B.), Gibb, McKinnon; Briggs and Kennedy and Menzies and Powell, equal. *Class III.*—Landry and Stansfield, equal; Ford and McLean, equal; Poissant, Stewart (L.), Bambrick, Stevenson; Ritchie and Richardson, equal; Johnston and Yuill, equal; Hague; Morison and O'Neill and Smith and Gosselin, equal; Ker and Robertson and Tanner and Winslow, equal; Soper and Whitcher, equal; Hilborn and Wilson, equal; Baillie and Briegel and Cantley and Cheesbrough and Edwards and Gall and Lindsay and Mooney and Nairn and Price and Williamson, equal. (*Calculus.*)—*Class I.*—Dwight, Price, Campbell; Dickieson and Fox and Gibb, equal; Ford, Farnsworth, Sailman; Kearney and McKinnon, equal; Kennedy, Powell; Dennis and Smith and Stewart (R. B.), equal. *Class II.*—McLean; Coulin and Winslow, equal; Johnston, Black, Landry, Menzies, Nairn. *Class III.*—Stewart (L.), Ker, Sutherland, Lindsay, Soper; Best and Scott, equal; Bregent and Williamson, equal; Stackhouse; Goode and La Forest, equal; Cheesbrough and Poissant and Stansfield, equal; Robertson; Baillie and Bambrick and Morison, equal. (*Mechanics.*)—*Class I.*—Dwight, Campbell, Kearney, Sailman, Kennedy, Dennis. *Class II.*—Fox; Farnsworth and Hague, equal; Coulin, McLean; Menzies and Price, equal; Stewart (R. B.); Dickieson and Galbraith, equal; Grove; Smith (G. W.) and Stackhouse, equal; Morison. *Class III.*—Gibb; Landry and Soper and Stewart (L.), equal; Powell, Ford, Tanner; McNaughton and Nairn, equal; Yuill; Allen and Cate, equal; Lindsay, Mooney, Carr; Cantley and McKinnon, equal; Anderson; Graham (H. M.) and O'Neill and Stansfield, equal; Briggs and Wilson, equal; Boyd and Buttenshaw and Gall and Hilborn and Johnston and Ker and LaForest and Seely and Sutherland and Williamson, equal.

First Year.—(*Algebra.*)—*Class I.*—Harris, McHenry. *Class II.*—Fowler, Gilchrist, Kelly, Dowie; McLeod and Needham, equal; Cowles and Pope, equal; Ewart and Kohl, equal; Ash. *Class III.*—Daubney, (J. E.), McLean, Scott (O. H.); Sproule and Wyman, equal; Cowley; McNab and Narraway, equal; Brown

and Cole and Daubney (C.B.), and Young (A.A.), equal; Cloran and Fregeau, equal; Pearce and Stuart, equal; Strong, Duguid, Cox, Echenberg, Alford; Dennis and Gemmill and Magrath, equal; Clark and Macdonald and Stark, equal; Beagley and Dakin and Dawes and Fraser and Hollinsed and Nares and Robertson and Ryley and Vroom and White (J. G.), equal. (*Dynamics*).—*Class I.*—Gilchrist and Harris and McHenry, equal; Dowie, Elkins, Fowler. *Class II.*—Brown and Dobson, equal; Ash and Daubney (J. E.), equal; Duguid, Dennis, Callander, Cowles, Williams (F. G. M.), Penney, Stuart; Cloran and Dawes and Jackson and McLeod, equal. *Class III.*—McNab, White; Archibald and Mackay, equal; Cox; Ewart and Fregeau and Sproule, equal; Head and Skelton, equal; Wyman; Cole and Hanson, equal; Bennet and Magrath, equal; Daubney (C. B.) and Fitzpatrick and Fraser and MacDiarmid and Von Pozer, equal; Beagley and Cowley and Macdonald, equal; Cairns; Gemmill and Hollinsed and Kelly and Ryley, equal; Martin and Narraway and Needham and Vroom, equal; Derrom and Echenberg and Gardiner and Gartshore and Pope and Scott and Timberlake and Turnbull, equal; Clark and Dakin and Haultain and Kohl and MacLean and Powis and Rutherford and Seath and Stevenson and Strong and Young (W. L.), equal.

(*Geometry*).—*Class I.*—Harris, McHenry; Fowler and Gilchrist, equal; Cowles and Dowie, equal; Needham, Dennis. *Class II.*—Brown, McLeod; Magrath and Timberlake, equal; Archibald and Dobson, equal; Mackay, Kohl; Daubney, (J. E.) and Hollinsed, equal; Jackson and Sproule, equal; MacLean and Penney, equal; Dakin and Ewart, equal; Ash and Wyman, equal; Kelly and Ryley, equal. *Class III.*—Callander and Daubney, (C. B.) and Duguid, equal; Cowley and Haultain and Macdonald, equal; Cole; Clark and Narraway, equal; Beagley and Cox and Rutherford, equal; Bennet and Cloran, equal; Echenberg and MacDiarmid and Von Pozer and White, (M.), equal; Dawes, (A. S.); Chrysler and Scott, (O. H.) and Vinet, equal; Stevenson; Robertson and Delgado, equal; White, (J. A. G.) and Young, (A. A.), equal; Fregeau and Powis, equal; Elkins and McNab and Millican and Reid and Sclater and Vroom, equal; Burland and Gardiner and Hanson and Williams, equal.

(*Trigonometry*).—*Class I.*—Harris, McHenry, Fowler, Sproule, Dowie. *Class II.*—Cowles, Kelly, MacLean, Beagley; Little and Needham, equal; Brown and McLeod, equal; Von Pozer, Narraway; Cole and Daubney, (C. B.), equal; Dakin and Dennis and Reid, (A. C.), equal; Magrath and Stark, equal; Ash; Cox and Ewart, equal. *Class III.*—Kohl, Gilchrist; Clark and Cloran and Ryley, equal; Mackay; Daubney, (J. E.) and Young, (A. A.), equal; Fregeau and White, (J. G.), equal; Echenberg and Pearce, equal; Alford and Cowley and Dawes and Powis and Timberlake, equal; Sclater and Scott, (R. W.) and Wyman, equal; Jackson and Scott, (O. H.) and Goodstone, equal; McDiarmid and Pope and Reid, (R. H.), equal; Donald and Fitzpatrick and Robertson, equal; Fraser and Gardiner and Millican and Nares, equal; Burland and Hanson and Macdonald and Macfarlane and Strong, equal.

Second Year.—(*Architectural Course*).—*Algebra.*—*Class I.*—None. *Class II.*—None. *Class III.*—Fetherstonhaugh. *Passed.*—*Conics.*—Harthan.

First Year.—(*Architectural Course*).—*Class I.*—Paine. *Class II.*—None. *Class III.*—Payne, Kingston.

MECHANICAL DRAWIMG.

Third Year.—(*Electrical Engineering Course*).—*Class I.*—None. *Class II.*—Herbert, Vipond, Spencer, Perry; Parham and Seely, equal; Lundy. *Class III.*—Ross (D.), Morrin, Shanks; Briegel and Raphael and Whyte, equal; Dowell and Hodge, equal; Pease; Archibald and Hood, equal.

Third Year.—(*Mechanical Engineering Course*).—*Class I.*—Mackay (G. W.). *Class II.*—Davies; Cutten and Killam, equal; Murphy; Bristol and Crocker, equal; Whitton, Cameron, Guillet, Robertson, Winslow, Turnbull. *Class III.*—Callaghan, Cowan, Graham, Zimmerman, Moore.

Third Year.—(*Mining Course*).—*Class I.*—None. *Class II.*—Dick, Drysdale. *Class III.*—Brennan and Carmichael and Kemp and Ross (C. M.), equal; Carruthers and Saunders, equal.

Second Year.—*Class I.*—Kearney. *Class II.*—Price, Farnsworth; Fox and Johnston and Lindsay and Wood, equal; Dwight and Stewart (L.), equal; Mooney and Scott and Wilson, equal; Black and McKinnon and McLean and Nairn and Williamson, equal; Boyd and Hudson and McNaughton and Raymond and Stansfield, equal; Cantley and Day and Dickieson and Goode and Grove and Russell, equal; Hague and Stackhouse and Yuill and Mackay, equal. *Class III.*—Buttenshaw and Ford and Kennedy (W. A.) and Poissant and Robertson and Soper, equal; Dennis and Gibb and Sailman and Slingsby and Stewart and Gardiner, equal; Byrne and Gall and Menzies and Meyerstein and Powell and Stevenson, equal; Coulin and Baldwin, equal; Bregent and Cook and Lumsden and Paquet and Smith and Tanner, equal; Carr and Ker and Sutherland and Kelly, equal; Best and Burbidge and Edwards and Fraser and Ekers, equal; Binks and Townshend and Vessot and Whitcher, equal; Bambrick and Maver, equal; LaForest and Landry and Porter, equal.

MECHANICAL ENGINEERING.

Fourth Year.—(*Civil, Electrical and Mining Courses*).—*Class I.*—Brown (S. B.); Shearer and Woodyatt, equal. *Class II.*—Lathe, Sharp, Williams, Wright; Bell and Griffin and Lamb and Mathieson and Slater, equal; Haskell and Strangways and Westland, equal; Brown (W. G.); Batchelder and Black and Miller, equal. *Class III.*—Burr and Howe and Tupper, equal; Drummond and Hall (G. R.) and Little and Racey, equal; Brown (W. G. B.) and McCuaig and Ross (D. G.), equal; Barclay and Dibblee and McCallum and Otty, equal; Canfield and Davis and Gamble and Pickard, equal; Engel and Haughton and Hargrave and Harrington and Wheaton and Wilson, equal; Beaton and Brown (L. O.), equal; Ewens and Hay and Macdonald (W. M. B.) and Macklem, equal.

MECHANICAL ENGINEERING.

Fourth Year.—(*Mechanical Engineering Course*).—*Class I.*—Foster and Munn, equal; Gray and Riddell, equal. *Class II.*—Whitcomb, Norton. *Class III.*—Hall (N. M.), Hepburn, Maxwell, Benedict, Killam.

MECHANICS OF MACHINERY.

Second Year.—*Class I.*—Stewart (L.), Dwight; McNaughton and Hague, equal; Kennedy (W.A.) and Farnsworth, equal; Lindsay; Fox and McKinnon and Kearney, equal; Gibb and Denis, equal; Carr, Grove, Price, Sailman, Coulin. *Class II.*—Dickieson,

Stewart (R. B.), McLean; Yuill and Goode, equal; Menzies; Powell and Russell, equal; Mooney; Williamson and Stackhouse, equal; Stansfield; Ker and Nairn, equal; Ekers and Johnston, equal; Wilson and Ford, equal. *Class III.*—Boyd and Landry and Bambrick, equal; Venables and Soper, equal; Smith and Robertson, equal; Briegel; Cantley and Scott and Cook, equal; Burbidge, Sutherland; Day and Bregent and Byrne, equal; Scott; Black and Gardiner and Poissant, equal; Gall and Manny, equal; Lumsden, Fraser; Maver and Wood, equal; Buttenshaw and Morison, equal; Hudson and Rider, equal; Vessot and Winslow, equal.

METALLURGY.

Fourth Year.—(*Metallurgy Course*).—*Class II.*—Brown (W. G.), Lathe. *Class III.*—Dickson.

METALLURGY (ELECTRO).

Fourth Year.—*Class I.*—Brown (W. G.), Lathe; Dickson and Sharp, equal. *Class II.*—Patterson, Strangways. *Passed.*—Macaulay; Dickenson and Drummond and Haughton, equal.

METALLURGY OF COPPER, AND LEAD.

Class I.—None. *Class II.*—Patterson, Porter, Sharp; Dickson and Drummond and Haughton, equal. *Passed.*—Dickenson, Macaulay.

METALLURGY OF IRON AND STEEL.

Fourth Year.—*Class I.*—Drummond. *Class II.*—Sharp, Strangways. *Passed.*—Haughton, Dickenson, Phillips; Dickson and Macaulay, equal; Patterson.

METALLURGICAL FIELDWORK.

Fourth Year.—*Class I.*—Lathe.

MINERALOGY.

Fourth Year.—*Class I.*—None. *Class II.*—Elliot and Strangways and Wilson, equal; Churchill, Patterson, Haughton, Brown (W. G.). *Class III.*—Lathe, Dickenson, Drummond; Dickson and Sharp, equal; Macaulay and Spafford, equal.

Third Year.—*Class I.*—McFee, Nicholls, Hayes, Sproule; Dawson and Mohan, equal. *Class II.*—Saunders, Paré, Ross, Carmichael, Campbell; Dick and Merrill, equal. *Class III.*—Montgomery; Harding and Kemp and Smith, equal; Drysdale, Carruthers, Brennan, Mackay.

MINERALOGY (DETERMINATIVE).

Class I.—Carmichael. *Class II.*—Kemp; Paré and Hayes, equal; Sproule and Smith and McFee, equal; Dick and Mohan, equal; Carruthers and McKay and Merrill, equal; Brennan and Montgomery and Nicholls, equal; Saunders. *Class III.*—Drysdale and Dawson, equal; Campbell, Ross, Harding.

MINING.

Fourth Year.—Class I.—Strangways. *Class II.*—Sharp, Macaulay, Dickenson, Haughton, Patterson. *Class III.*—Drummond.

MINING FIELD WORK.

Fourth Year.—Class I.—Lathe and Phillips, equal; Drummond and Patterson, equal. *Class II.*—Macaulay and Haughton, equal; Drysdale, Brennan. *Class III.*—Dickenson.

MINING MACHINERY.

Fourth Year.—Class I.—Strangways. *Class II.*—Brown (W. G.) and Lathe, equal. *Class III.*—Sharp, Macaulay, Dickson, Drummond, Patterson, Haughton.

Third Year.—Class I.—Sproule, Dick, Campbell. *Class II.*—Carmichael, Paré, Kemp, Saunders, Montgomery, Brennan, Ross (C. M.). *Class III.*—Carruthers, Gilmour, Harding.

MUNICIPAL ENGINEERING.

Fourth Year.—Class I.—Lamb, Bell. *Class II.*—McCallum, Mathieson, Wilson, Westland. *Class III.*—Racey, Hay, McDonald (H. F.); Davis and Miller, equal; Harrington; Black (H. J.) and Gamble and Beaton, equal; Macklem, Brown (L. O.), Otty; Howe and Wheaton, equal; Pickard and Brown (W. G. B.) and Barclay and Canfield, equal.

Third Year.—Class I.—Copp, Read. *Class II.*—Kingston, Bates, Holloway. *Class III.*—Montague, Baird, Mather, Stitt, Layton, Emmerson, Ballantyne Grahame; Bell and Bradshaw, equal; Eakins and Scovil and Lighthall and Harris and Davis and Finlayson and Cameron (E. G.), equal; Kerr and Forbes and Younger and Baylis and Morrow, equal.

ORE DEPOSITS.

Class I.—None. *Class II.*—None. *Class III.*—Dickson.

ORE DRESSING AND COLLOQUIUM.

Fourth Year.—Class I.—Strangways, Lathe. *Class II.*—Brown, (W G.), Dickson. *Class III.*—Dickenson, Patterson, Haughton, Macaulay, Drummond, Sharp.

Third Year.—(Mining Course.)—Class I.—Brennan, Sproule. *Class II.*—Carmichael, Dick, Campbell; Kemp and Ross (C. M.), equal; Harding, Montgomery. *Class III.*—Porter, Saunders, Paré, Carruthers, Drysdale.

ORE DRESSING LAB.

Fourth Year.—Class I.—Patterson. *Class II.*—Dickenson, Strangways, Haughton, Drummond, Macaulay, Sharp.

PERSPECTIVE.

Third Year.—(Architectural Course.)—Class I.—Ruttan, Wood. *Class II.*—Meyers. *Class III.*—None.

PETROGRAPHY AND LAB.

Fourth Year.—*Class I.*—None. *Class II.*—Strangways, Patterson. *Class III.*—Dickenson and Haughton, equal; Phillips, Sharp, Macaulay, Drummond.

PLANNING.

Fourth Year.—(*Architectural Course.*)—*Class I.*—None. *Class II.*—Robb, Shorey. *Class III.*—None.

PHYSICS (EXPERIMENTAL).

Second Year.—*Class I.*—Dwight, Lindsay, Dennis, Kearney, Kennedy (W. A.), Price; Farnsworth and Gibb and Sailman, equal; Campbell. *Class II.*—Ford and Stewart (L.), equal; Fox and McLean, equal; Dickieson and Edwards and Stewart (R. B.) equal; McNaughton and Grove and Yuill, equal; Coulin and Fraser and McKinnon and Powell, equal; Johnston and Menzies and Soper, equal; Ker and Williamson, equal; Hague and Stansfield, equal; Goode, Burbidge. *Class III.*—Russell and Smith, equal; Cheesbrough and Cook, equal; Dickson and Stackhouse and Wilson, equal; Best, Cantley; Boyd and Wood, equal; Robertson and Townshend, equal; Hudson; Manny and Morison and Nairn, equal; Bambrick and Black and Descarries and Raymond, equal; Bregent and Gall, equal; Rider, La Forest; Ekers and Gomes and Mooney and Sutherland, equal; Lumsden and McDougall and Paulsen and Poissant, equal.

PHYSICS.

First Year.—*Class I.*—Harris and McHenry, equal; Dowie, Cowles, Fowler; Dennis and Gilchrist, equal; McLeod. *Class II.*—Cox, Cowley, Magrath; Daubney, (J. E.) and Simpson, (A. C.), equal; Derrom; Ash and Brown and Duguid and Reid, (R. H.), equal; Sproule and Timberlake, equal; Kelly and White, (M.), equal; Dakin and Elkins and Ewart and Reid, (A. C.) and Von Pozer, equal; Macdonald and Needham, equal; Hollinsed and Jackson and Kohl, equal; Vroom; Cloran and Cole, equal. *Class III.*—Fraser; Biggar and Clark and Fregeau and MacLean and Powis, equal; Hanson, Haultain, Stevenson; Burland and Echenberg and Henry and McNab, equal; Dawes, (A. S.) and McDiarmid and Nares and Williams, (F. G. M.), equal; Narraway and Ryley and Strong and Stuart, (A. G.), equal; Macfarlane and Macrae and Scott (R. W.), equal; Daubney (C. B.); Archibald and Gemmill and Gladman and Pearce and Wyman, equal; Sclater and Turnbull, equal; Donald and Goodstone, equal; Pope and Robertson, equal; Gartshore; Little and McCammon and Seath, equal; Beagley and Fitzpatrick and Munro and Young (W. L.) and Stark, equal.

First Year.—(*Architectural Course*).—*Class I.*—Paine, (A. J. C.), Kingston. *Class II.*—None. *Class III.*—Payne, (S. C.), Stuart, (C. G.)

PHYSIOGRAPHY AND PRACTICAL GEOLOGY.

Fourth Year.—*Class I.*—Strangways, Patterson. *Class II.*—Sharp, Macaulay, Dickenson and Haughton, equal. *Class III.*—Phillips (H. W.), Drummond.

PRACTICAL ASTRONOMY.

Third Year.—Class I.—Bates and Kingston and Pitts, equal; Baird and Read, equal; Copp. *Class II.*—Emmerson; Carmichael and and Kemp and Paré, equal; Campbell and Sproule, equal; Montgomery and Stitt, equal; Bell and Harding and Holloway, equal; Bradshaw; Dick and Mather, equal. *Class III.*—Finlayson and Layton and Lighthall and Montague, equal; Eakins and Melhuish, equal; D'Aeth and Ryan, equal; Christie; Graham and Manny, equal; Harris and Ross, equal; Ballantyne and Baylis and Carruthers and Davis and Kerr, equal.

RAILWAY ENGINEERING.

Fourth Year.—Class I.—Bell, Lamb, Gamble. *Class II.*—Harrington, Westland, Mathieson, Howe; Macklem and Racey, equal; Macdonald, (H.F.) Brown, (W.G.B.), Davis, Pickard, Miller; Beaton and Wilson, equal. *Class III.*—Brown, (L. O.) and McCallum and Wheaton and Otty, equal; Black, Hay, Barclay, Canfield.

ROADS AND CANALS.

Third Year.—(Civil Course).—Class I.—Read, Bates, Copp. *Class II.*—Kingston: Emmerson and Graham, equal; Baird, Bradshaw; Holloway and Mather, equal; Lighthall, Layton. *Class III.*—Pitts; Finlayson and Stitt, equal; Cameron; D'Aeth and Forbes and Thorne, equal; Manny and Montague, equal; Kerr; Ballantyne and Harris, equal; Bell, Baylis, Christie; Davis and Melhuish and Scovil, equal; Goodchild and Morrow and Ryan, equal.

Third Year.—(Transportation Course).—Class I.—None. *Class II.*—Brooks, Pratt. *Class III.*—Martin; Irwin and McGuire, equal; Estey.

ROADS AND RAILROADS.

Third Year.—(Mining Course).—Class I.—Brennan, Dick, Sproule. *Class II.*—Campbell and Carmichael, equal; Kemp. *Class III.*—Gilmour; Drysdale and Montgomery and Paré and Ross, equal; Harding, Carruthers.

SHOPWORK.

Fourth Year.—Class I.—Gray, Riddell, Whitcomb, Munn; Foster and Hall (N. M.), equal; Hepburn. *Class II.*—Killam, Benedict, Maxwell, Barclay. *Class III.*—None.

Third Year.—Class I.—Dowell, Parham. *Class II.*—Perry and Ross (D.), equal; Hodge; Bristol and Herbert and Vipond, equal; Cameron (J. S.); Guillet and Turnbull, equal; Mackay, Shanks, Raphael, Hood; Davies and Robertson and Spencer, equal; Callaghan and Crocker, equal; Moore and Murphy and Pease, equal; Cowan and Graham and Morrin, equal; Mulock and Whyte, equal; Lundy, Archibald. *Class III.*—Winslow, Whitton, Zimmerman, Barclay, Cutten, Gomes, Killam.

Second Year.—Class I.—Farnsworth and Ash, equal; Dwight, Robertson; Ekers and Kearney and McKinnon and Sailman and Smith and Whitcher, equal; Fraser and Powell and Rider and Sutherland, equal. *Class II.*—Ford and Gibb and Kennedy, (W.A.) and Landry and Leggett and Mackay, equal; Carr and Delgado and Gall and Johnston and Ker and Menzies and Mooney and Scott, (O. H.) and Wood, equal; Burbidge and

Dennis and Fox and Gardiner and Hague and McDougall and Poissant, equal; Cantley and Cook and Coulin and Day and Dickieson and McLean and Stansfield and Stuart (L.) and Townshend and Yuill, equal; Morison and Nairn and Meyerstein and Grove, equal; Baldwin and Bambrick and Black and Buttenshaw and Byrne and Hudson and McNaughton and Porter and Raymond and Slingsby and Vessot and Wilson, equal; Boyd and Soper and Williamson, equal; Bregent and Edwards and LaForest, equal; Gooding and Mayer and Stewart, (R. B.) and Winslow, equal. *Class III.*—Chrysler.

First Year.—Class I.—Gartshore, Daubney (J. E.). *Class II.*—Vinet; Dennis and MacDiarmid and Needham, equal; Mackintosh and Stuart, equal; Archibald and Fox and Harris, equal; Halliday; Cox and McLeod and Wyman, equal; Callander and McHenry, equal; Biggar and Cole and Cowles and Kohl and Legris and Skelton and Von Pozer, equal; Brown and Daubney (C. B.) and Fregeau and Nares and Narraway and Vroom, equal; Cowley and Magrath and Sproule and Strong and Timberlake, equal; Bisson and Donald and Duguid and Jackson and MacLean, equal; Cloran and Ewart and Haultain and Scott, (R. W.) equal; Alford and Elkins and Seath and Tremblay and Pearce and White, (J.A.G.), equal; Clark and Dobson and Dowie and Echenberg and Gilchrist and Macfarlane, equal; Fowler and Little and McCammon and Young (W. L.), equal; McDonell and Millican and Pope, equal; Gall; Gladman and Hollinsed and McNab and Macrae and Munro and Robertson, equal; Cairns and Fitzpatrick, equal. *Class III.*—Ayer and Crockett and Gemmill and Martin and Penney, equal; Dawes and Hanson and Reid (R. H.), equal; Beagley and Powis and Stevenson, equal; Dakin and Pinsler and Simpson, equal; Burland and Henry and Ryley and Young (A. A.), equal; Mather and Reid (A. C.) and Rutherford and Williams, equal; Armstrong and Sclater, equal; Bennet and Turnbull, equal; Carroll, Fraser, Daw.

STEAM ENGINEERING.

Third Year.— (Transportation Course).—Class I.—Brooks. *Class II.*—Martin and McGuire, equal. *Class III.*—Pratt, Estey, Irwin.

STRENGTH OF MATERIALS.

Third Year.—(Transportation Course).—Class I.—Pratt. *Class II.*—Irwin; Brooks and Martin and McGuire, equal; Estey.

STRUCTURAL ENGINEERING.

Fourth Year.— (Architectural Course).—Class I.—None. *Class II.*—Robb, Shorey.

Third Year.—(Architectural Course).—Class I.—Wood, Ruttan. *Class II.*—Mayers.

Third Year.—(Civil Engineering Course).—Class I.—Read, Bates; Copp and Emmerson and Kingston, equal; Pitts. *Class II.*—Brooks; Bradshaw and Finlayson and Mather and Stitt, equal; Baird and McGuire, equal; Harris, Martin; Estey and Lighthall and Montague and Pratt, equal; Irwin; Ballantyne and D'Aeth and Layton, equal; Holloway. *Class III.*—Melhuish, Forbes; Baylis and Cameron, (E. G.), equal; Bell and Christie and Eakins, equal; Grahame; Davis and Dickson and Scovil, equal.

SUMMER ESSAYS.

Fourth Year.—(*Civil Engineering*).—Dickenson, Bell; Brown, (W. G. B.) and Gamble and Lamb and Otty, equal; Griffin and Whitcomb, equal; Harrington; Miller and Wilson, equal; Canfield, Racey.

Fourth Year.—(*Mining and Metallurgy*).—*Class I.*—Lathe, Sharp, Macaulay. *Class II.*—Drummond, Haughton, Patterson. *Class III.*—Brown (W. G.).

Third Year.—(*Civil Engineering*).—Murphy, McGuire, Ross.
Third Year.—(*Mining and Metallurgy*).—*Class I.*—Brennan, Dawson. *Class II.*—Dick, Carmichael, Drysdale. *Class III.*—Campbell.

SURVEYING.

Third Year.—*Class I.*—Read; Bates and Kingston, equal; Finlayson; Baird and Graham, equal; Holloway, Eakins, Carruthers; Copp and Dick and Montgomery, equal;. *Class II.*—Davis and Layton, equal; Stitt; Carmichael and Emmerson, equal; Baylis; Bell and Sproule, equal; Bradshaw; Kemp and Pitts, equal. *Class III.*—Christie and D'Aeth and Lighthall and Mather, equal; Harris and Ross and Kerr, equal; Campbell; Drysdale and Harding and Montague and Paré, equal; Ballantyne, Scovil; Allan and Manny and Daly, equal; Cameron and Forbes and Younger, equal.
Second Year.—*Class I.*—Kearney, Dwight, Dennis, Johnston; Coulin and Farnsworth and Ford and Nairn, equal; McLean and Sailman, equal; Hague; McKinnon and Price and Stewart, (R. B.), equal. *Class II.*—Yuill, Dickieson; Fox and Kennedy, (W. A.) and Powell, equal; Lindsay and McNaughton, equal; Smith, Dowswell; Black and Carr and Menzies and Stewart, (L.), equal; Bambrick and Burbidge and Gibb and Ker and LaForest and Stansfield, equal; Wilson, Soper, McDougall, Mooney, Fraser. *Class III.*—Best; Stackhouse and Sutherland, equal; Goode and Manny and Rider, equal; Grove; Gardiner and Porter and Williamson, equal; Fetherstonhaugh and Irwin and Landry and Tanner, equal; Lumsden and Scott and Winslow, equal; Cantley, Gall; Poissant and Raymond, equal; Bregent and Grahame (D. F.) and Vessot and Robertson, equal; Townsend; Mayer and Morison, equal; Buttenshaw and Wood and Boyd and Hudson and Venables, equal.

SURVEYING FIELDWORK.

Third Year.—*Class I.*—Dick and Stitt, equal; Sproule; Graham and Kingston, equal; Emmerson, Mather; Paré and Read, equal. *Class II.*—Lighthall; Bates and Copp and Finlayson and Ballantyne, equal; Kemp and Kerr and Layton and Letourneau and Pitts and Pratt, equal; Campbell and Forbes, equal; Christie; Baird and Brennan and Carmichael, equal; Harris; Cameron and D'Aeth and Drysdale and Estey and Goodchild and Mohan, equal; Bradshaw and Holloway and Manny and Montgomery, equal; Martin, Anderson; Dickson and McKnight and Montague, equal; McGuire; Davis and Millen, equal; Melhuish and Ross and Thorne, equal; Ahern and Carruthers, equal; Bell. *Class III.*—Eakins and Younger, equal; Stewart, Stephen; Allan and Gosselin, equal; Gilmour and Hale and Scovil, equal; Saunders, Irwin, Coristine.

Second Year.—Class I.—Fox; Kearney and Robertson, equal; Yuill, Kennedy (W. A.), Black, Best; Farnsworth and Leggett and Mooney, equal; Landry, Lindsay; Coulin and Soper, equal; Ash and McKinnon and O'Neill and Sailman, equal; Dennis, Gooding; Allen and Burbidge and Ford and Grove and Slingsby, equal. *Class II.*—Dickieson and Smith, equal; Gardiner and Gibb and Hague and McLean, equal; Hilborn and Ross, equal; Galbraith, Dowswell; Poissant and Hudson, equal; Buttenshaw and Powell and Scott, equal; Ker and Menzies and Rider and Stewart, (L.) and Vessot and Venables, equal; Bronson and Nairn and Stansfield, equal; Bambrick and Stewart, (R. B.), equal; Fraser and McDougall and Tanner, equal; Briggs and Graham, (H. M.) and Wood, equal; Seely; Delgado and Maver and Porter (C. C. G.), equal; Goode and Jordan, equal; Morison and Watson, equal; McLachlin and Price and Ritchie, equal; McNaughton. *Class III.*—Porter, (C. G.), Cate, Ekers, Fetherstonhaugh, Baldwin; Austin and Cook and LaForest, equal; Binks and Sutherland, equal; Blackett and Saunderson and Wilson, equal; Boyd, Stackhouse; Irwin and Winslow, equal; Gall and Williamson, equal; Harthan and Townshend, equal; Cummins, Raymond.

THEORY OF STRUCTURES.

Fourth Year.—Class I.—Bell, Lamb. *Class II.*—Black (H. J.), Miller, Harrington, Brown (W. G. B.), Wilson, Racey. *Class III.*—Gamble; McCallum and Westland, equal; Mathieson, Wheaton, McDonald (H. F.); Beaton and Davis, equal; Otty, Barclay, Hay.

Third Year.—Class I.—Read, Bristol, Finlayson; Davies and Bates, equal. *Class II.*—Perry, Killam, Dowell, Kingston, Lighthall; Vipond and Guillet, equal; Grahame and Strangways and Herbert and Baird and Cameron, (J. S.) and Montague, equal *Class III.*—Holloway; Callaghan and Hood, equal; Copp and Stitt and Dick and Moore and Parham, equal; Campbell, Morrow; Bell and Carmichael and Mather, equal; Hodge and Whyte, equal; Bradshaw; Whitton and Christie and Melhuish, equal; Raphael; Emmerson and Ross (C. M.), equal; Spencer and Paré, equal; Cowan and Layton, equal; D'Aeth and Drysdale and Montgomery, equal.

THERMODYNAMICS.

Fourth Year.—(Electrical Course).—Class I.—Wright. *Class II.*—Griffin, Shearer, Woodyatt, McCuaig, Engel, Macdonald (R. R.), Hargrave. *Class III.*—Hall (G. R.), Brown, (S. B.), Williams; Ewens and Tupper, equal; McWilliam, Macdonald (W. M. B.), Ross (D. G.); Haskell and Dibblee, equal.

Fourth Year.—(Mechanical Course).—Class I.—Gray, Munn. *Class II.*—Riddell and Whitcomb, equal; Foster, Maxwell, Killam, Norton. *Class III.*—Hall (N. M.), Benedict, Hepburn.

Third Year.—(Mechanical Engineering Course).— Class I.—Guillet. *Class II.*—Davies and Killam, equal; Bristol and Murphy, equal. *Class III.*—Cameron and Whitton, equal; Robertson, Callaghan; Crocker and Moore, equal; Winslow, Turnbull.

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